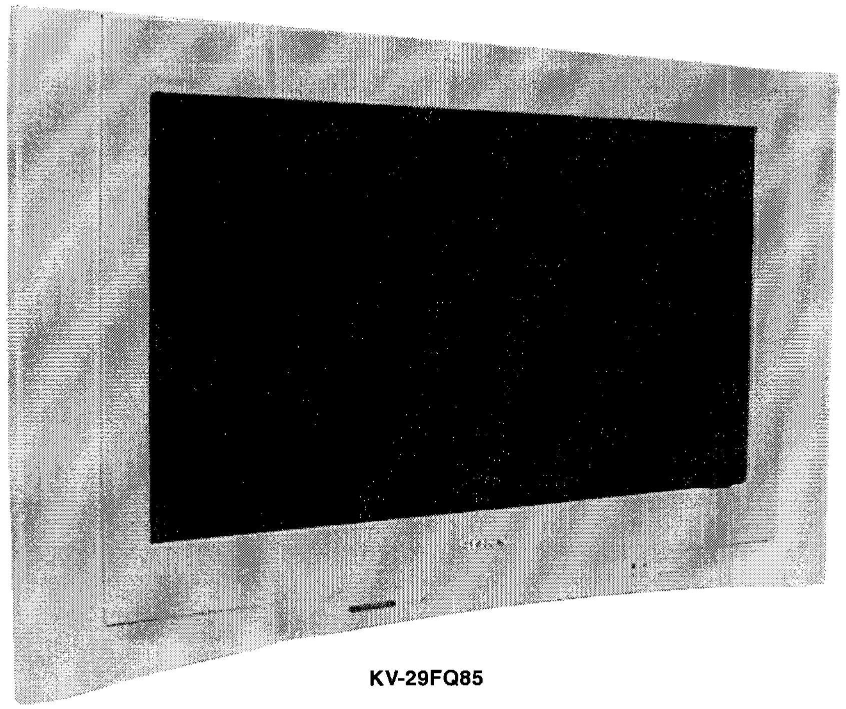
Self Diagnosis
Supported model

SERVICE MANUAL

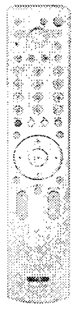
AE-6BAD/Y CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-29FQ85E	*RM-943*	*ESP*	*SCC-Q81T-A*	*KV-29FQ85K*	*RM-943*	*OIRT*	*SCC-Q82L-A*

FD Trinitron



KV-29FQ85



RM-943

TRINITRON ® COLOR TV

SONY®

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

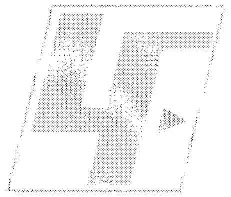
ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

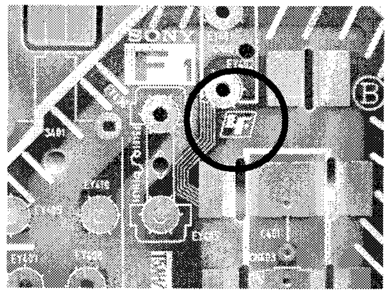
CAUTION

Lead Free Soldered Boards

The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



example 1



example 2

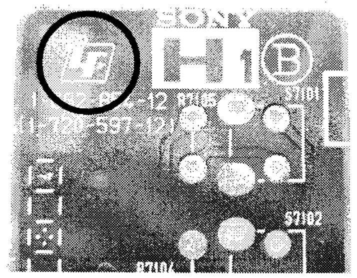


Table 1

Board	Function
A	Audio,Deflection,Tuner,Regulators, Interface
B	Backend,Scanrate,LVDS,A_Interface
C	R,G,B Out
D	Deflection
F1	Power Switch/Fuse/SIRCS/Standby LED
G	Power Supply
H1	Front AV Input/Headphone and Control Switches
J	AV Scart I/O Switching and Sockets
VM	Velocity Modulation

It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to *http://www.sony-training.com*

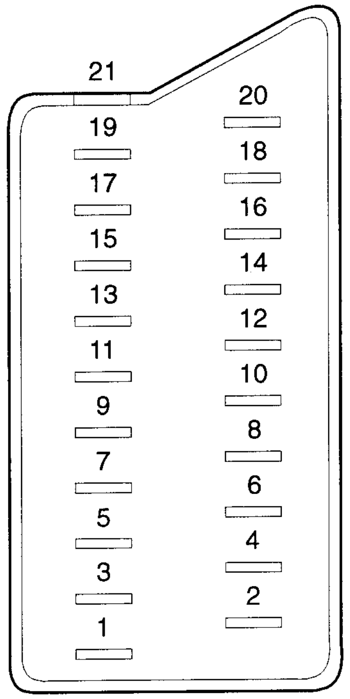
ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
E	B/G/H,D/K,I,L	GERMAN/NICAM Stereo	VHF : E2-E12, R1-R12, S01-S03, F02-F10, B-Q UHF : E21-E69, F21-F69, B21-B69, R21-R69 CABLE TV : S01-S20 HYPER : S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
K	B/G/H,D/K,I,L	GERMAN/NICAM Stereo	VHF : E2-E12, R1-R12, S01-S03 UHF : E21-E69, R21-R69 CABLE TV : S01-S20 HYPER : S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

Picture Tube	Flat Display FD Trinitron Approx 73 cm (29 inches) (Approx 68 cm picture measured diagonally)	**Sound output**	
		Right and Left speaker	2x20W (Music Power) 2x10W (RMS)
		Sub Woofer	1x30W (Music Power) 1x15W (RMS)
Input/Output Terminals [REAR]		**General Specifications**	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Power Requirements	220 - 240V
		Power Consumption	135W
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals. (Monitor Out)	Dimensions	Approx 789 x 605 x 521mm
		Weight	Approx 51kg
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)	Supplied Accessories	RM-943 Remote Commander (1) IEC designated R6 battery (2)
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	100 Hz picture, DNR, Auto Noise Reduction, PAP, Teletext, Smartlink, BBE, Virtual Dolby
Input/Output Terminals [FRONT]		**Remote Control System : Infrared Control**	
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R6 (size AA)
Audio inputs	phono jacks		
Video inputs	phono jacks		
S Video input	4 pin DIN		

Design and specifications are subject to change without notice.

Model Name Item	KV-29FQ85E	KV-29FQ85K
Pal Comb	OFF	OFF
PIP	OFF	OFF
RGB Priority	ON	ON
Woofer Box	ON	ON
Scart 1	ON	ON
Scart 2	ON	ON
Scart 3	ON	ON
Front in (4)	ON	ON
Projector	OFF	OFF
Norm B/G	ON	ON
Norm I	OFF	OFF
Norm D/K	ON	ON
Norm AUS	OFF	OFF
Norm L	OFF	OFF
Norm SAT	OFF	OFF
Norm M	OFF	OFF
Teletext	ON	ON
Nicam Stereo	ON	ON

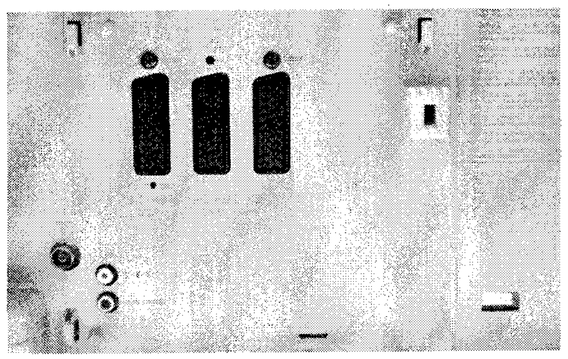
21 pin connector



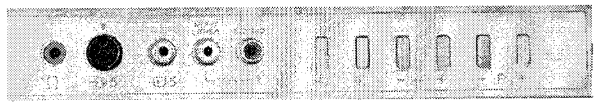
Pin No	1	2	3	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	○	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	○	●	●	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	–	–	Red input	0.7 +/- 3dB, 75 ohms, positive
	–	○	○	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	–	–	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	–	○	○	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



Front Connection Panel



S-Video socket

S Video socket pin configuration		
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.

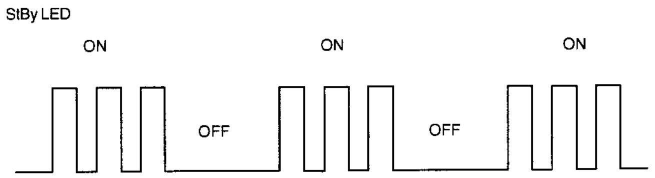
AE-6BAD/Y SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-6BAD/Y chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1, non fatal errors are reported using this method. Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

Error Message	LED Code
No error	00
Reserved	01
OCP (Over Current Protection)	02
Over Voltage Protection	03
No Vertical Sync	04
IKR Error at power on	05
IIC bus clock and/or data lines low at power on	06
NVM no IIC bus acknowledge at power on	07
Horizontal Protection	08
Tuner no acknowledge at power on	09
Sound Processor Error	10
Reserved	11
Scanrate Error	12
DAC Error	13
Backend Error	14
Dynamic Convergence Error	15
PIP Error	16

Flash Timing Example : e.g. error number 3



How to enter into Table 2

1. Turn on the main power switch of the TV set.
2. Program Remote Commander for Operation in Service Mode. [See Page 21].
3. Press 'AUX/VIDEO' 'AUX/VIDEO' > 'MENU' on the Remote Commander.
4. Using the Remote Commander, Scroll to the 'Error' item using the down arrow key, then press the right arrow key.
5. The following table will be displayed indicating the error count.

Table 2

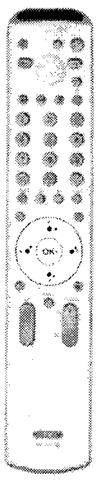
Error monitor		
WORKING TIME:	**(Hours:Minutes)**	82:33
Error counters:		
E02: OCP		0
E03: OVP		0
E04: NO V SYNC		0
E05: IKR		0
E06: IIC		0
E07: NVM		0
E08: H PROT		0
E09: TUNER		0
E10: SOUND		0
E11: 9 VOLTS		0
E12: SCANRATE		0
E13: 3DCOMB		0
E14: BACKEND		0
E15: DYNCON		0
E16: HIGH VOLTAGE		0
E17: AVSWITCH		0
E18: CHROMA DEC		0
E19: FRCA		0
E20: PJ ENG		0
E21: DAC		0
E24: SPEAKER PROT		0
E25: MEMORY STICK		0
Select: ▲ ▼	Previous Menu: ◀	

Note: To clear the error count data press '80' on the Remote commander.

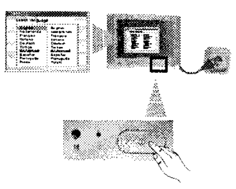
The operating instructions mentioned here are partial abstracts from the 'Operating Instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain as in the manual.

Switching On the TV and Automatically Tuning

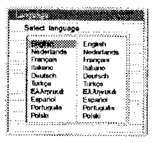
ⓘ The first time you switch on your TV, a sequence of menu screens appear on the TV enabling you to: 1) choose the language of the menu screen 2) Choose the country in which you are going to operate the TV, 3) adjust the picture slant, 4) check how to connect optional equipment to your TV, 5) search and store all available channels (TV Broadcast) and 6) change the order in which the channels (TV Broadcast) appear on the screen. However, if you need to change any of these settings at a later date, you can do that by selecting the appropriate option in the ⚙ (Set Up menu) or by pressing the Auto Start Up Button ⏭ on the TV set.



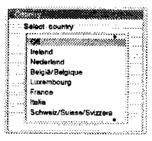
1 Connect the TV plug to the mains socket (220-240V AC, 50Hz) The first time that the TV set is connected, it is usually turned on. If the TV is off, press the ⏻ on/off button on the TV set to turn on the TV.
The first time you switch on the TV, a Language menu displays automatically on the TV screen.



2 Press the ⬆, ⬇, ⬅ or ➡ buttons on the remote control to select your language, then press the OK button to confirm your selection. From now on all the menus will appear in your chosen language.



3 The Country menu appears automatically. Press the ⬇ or ⬆ button to select the country in which you are using the TV. Press the OK button to confirm your selection.



ⓘ
- If the country in which you want to use the TV set does not appear in the list, select "off" instead of a country.
- To avoid wrong teletext characters for cyrillic languages we recommend selecting Russia country if your own country does not appear in the list.

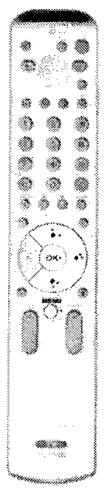
4 Because of the earth's magnetism, the picture might slant. The Picture Rotation menu allows you to correct the picture slant if it is necessary.

If picture slants, please adjust picture rotation.

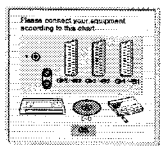
a) If it is not necessary, press OK to select Not necessary.

b) If it is necessary, press ⬅ or ➡ to select Adjust now, then press OK and correct any slant of the picture between –5 and +5 by pressing ⬇ or ⬆. Finally press OK to store.

continued...



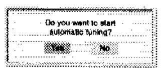
5 A diagram will appear showing you how to connect a wide range of equipment to your TV set. Follow the instructions and finally press the OK button to remove the picture and continue the automatic process.



Please connect your equipment according to this chart.

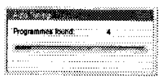
⚠ After the automatic tuning process has finished and the optional equipment has been connected at this stage, we recommend you follow the instructions explained on the section "Connection Guide" on page 15 to get the optimum settings related with the optional equipment.

6 The Auto Tuning menu appears on the screen. Press the OK button to select Yes.



Do you want to start automatic tuning?

7 The TV starts to automatically search and store all available broadcast channels for you.



Programmes found: 4

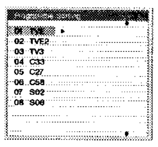
⚠ This procedure could take some minutes. Please be patient and do not press any buttons, otherwise automatic tuning will not be completed.

ⓘ In some countries the TV Broadcaster installs the channels automatically (ACI system). In this case, the TV Broadcaster sends a menu in which you can select your city by pressing the ⬇ or ⬆ button and OK to store the channels.

⚠ If no channels were found during the auto tune process, a message appears automatically on the screen asking you to connect the aerial. Check the aerial connection (refer to page 7). Press the OK button to restart the auto tuning process.

No channel found. Please connect aerial.

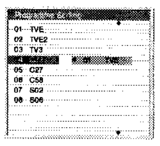
8 After all available channels are captured and stored, the Programme Sorting menu automatically appears on the screen enabling you to change the order in which the channels are stored.



a) If you wish to keep the broadcast channels in the tuned order, go to step 9.

b) If you wish to store the channels in a different order:

1. Press the ⬇ or ⬆ button to select the programme number with the channel (TV Broadcast) you wish to move. Press the ➡ button.
2. Press the ⬇ or ⬆ button to select the new programme number position for your selected channel (TV Broadcast). Press the OK button to store.
3. Repeat steps b)1 and b)2 if you wish to change the order of the other channels.

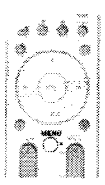


9 Press the MENU button to remove the menu from the screen

👍 *Your TV is now ready for use*

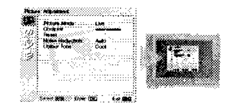
Introducing and Using the Menu System

ⓘ Your TV uses an On-Screen menu system to guide you through the operations. Use the following buttons on the Remote Control to operate the menu system:

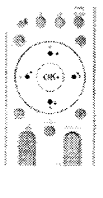


1 To switch on the menu screens:

Press the MENU button to switch the first level menu on.

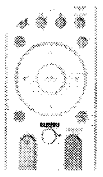


2 To navigate through the menus:



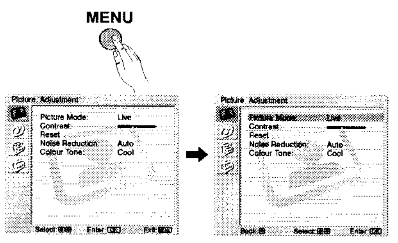
- To highlight and select the desired menu or option, press ⬇ or ⬆.
- To enter the selected menu or option, press OK or ➡.
- To return to the last menu or option, press OK or ⬅.
- To alter the settings of your selected option, press ⬇/⬆/⬅ or ➡.
- To confirm and store your selection, press OK.

3 To switch off the menu screens:



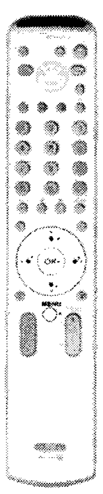
Press the MENU button to remove the menu from the screen.

📷 The Picture Adjustment Menu



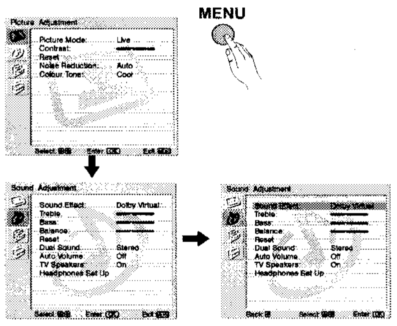
ⓘ The "Picture Adjustment" menu allows you to alter the picture settings.

To do this:
Press the MENU button and then press OK to enter this menu. Next press ⬇ or ⬆ to select the desired option and press OK. Finally read below how to operate into each option.



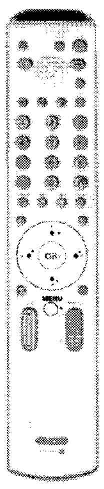
Picture Mode	This option allows you to customise the Picture Mode based on the programme you are watching. After selecting this option press OK. Next press repeatedly ⬇ or ⬆ to select: **Personal** (for individual settings). **Live** (for live broadcast programmes, DVD and Digital Set Top Box receivers) **Movie** (for films). Once you have selected your desired option, press OK to store.
ⓘ	"Brightness", "Colour" and "Sharpness" level of "Live" and "Movie" mode are fixed on the factory to get the best picture quality.
Contrast	Press ⬅ or ➡ to reduce or enhance picture contrast. Next press OK to store.
Brightness	Press ⬅ or ➡ to darken or brighten the picture. Next press OK to store.
⚠	This option only appears and only can be altered if "Picture Mode" is set to "Personal".
Colour	Press ⬅ or ➡ to decrease or to increase color intensity. Next press OK to store.
⚠	This option only appears and only can be altered if "Picture Mode" is set to "Personal".
Hue	Press ⬅ or ➡ to decrease or to increase the green tones. Next press OK to store.
⚠	This option only appears for NTSC signal (e.g. USA video tapes).
Sharpness	Press ⬅ or ➡ to soften or to sharpen the picture. Next press OK to store.
⚠	This option only appears and only can be altered if "Picture Mode" is set to "Personal".
Reset	Press OK to reset the picture to the factory preset levels.
Noise Reduction	This option is set to Auto to automatically reduce the snowy picture visible in the broadcast signal. However, it can be modified by pressing ⬇ or ⬆ to select Off, Low, Mid or High. Finally press OK to store.
Colour Tone	This option allows you to alter the tint of the picture. After selecting this option press ➡. Next press repeatedly ⬇ or ⬆ to select: Warm (gives the white colours a red tint), Normal (gives the white colours a neutral tint), Cold (gives the white colours a blue tint). Next press OK to store.

♪ The Sound Adjustment Menu



The "Sound Adjustment" menu allows you to alter the sound settings.

To do this:
Press the MENU button and press ↓ to select ♪, then press OK to enter this menu. Next press ↓ or ↑ to select the desired option and press OK. Finally read below how to operate into each option.



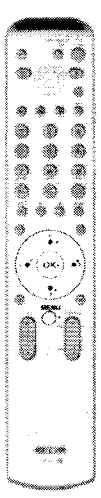
Sound Effect	This option allows you to customise the Sound Effect. After selecting this option press OK. Next press repeatedly ↓ or ↑ to select: Off (Flat response). Natural (Enhances clarity, detail and presence of sound by using "BBE High Definition Sound system"*). Dynamic ("BBE High Definition Sound system"* intensifies clarity and presence of sound for better intelligibility and musical realism). Dolby** Virtual (Dolby Virtual, simulates the sound effect of "Dolby Surround Pro Logic"). Once you have selected your desired option, press OK to store.
Treble	Press ← or → to decrease higher-frequency sounds. Next press OK to store.
Bass	Press ← or → to decrease or to increase the lower-frequency sounds. Next press OK to store.
Balance	Press ← or → to emphasise the left or the right speaker. Next press OK to store.
Reset	Press OK to reset the sound to the factory preset levels. Next press OK to store.
Dual Sound	• For a Stereo broadcast: Press ↓ or ↑ to select Stereo or Mono. Next press OK to store. • For a bilingual broadcast: Press ↓ or ↑ to select Mono (for mono channel if available). A (for channel 1) or B (for channel 2). Next press OK to store.

continued...

Auto Volume	Press ↓ or ↑ to select On (the volume level of the channels will stay the same, independent of the broadcast signal, e.g. in the case of advertisements) or Off (the volume level changes according to the broadcast signal). Next press OK to store.

⚠ If you select "Dolby Virtual" on the "Sound Effect" option, the "Auto Volume" option will automatically be switched to "Off" and vice versa.

TV Speakers	This option allows you to select if you want to listen the TV from the TV speakers or from an external amplifier connected to the audio outputs on the rear of the TV. After selecting this option, press OK. Next press repeatedly ↓ or ↑ to select: On (to listen the TV from the TV set speakers). One time off (to listen to the TV from the external amplifier only one time. By using this option, any time the TV is turned off/on, it returns to the default setting "On"). Permanent off (to always listen to the TV from external amplifier). Once you have selected your desired option, press OK to store.



If you have selected "One time off" or "Permanent off", the volume of the external equipment can also be altered by pressing the ⊿ +/- buttons of the remote control. When the volume buttons are pressed, the symbol 🔇 will appear indicating that the volume you are altering is not the volume of the TV set speakers, it is from the external equipment.

Headphones Set Up	This option allows you to customise the headphones volume and the PAP settings (refer to page 19 for details on PAP). After selecting this option press OK. Next press repeatedly ↓ or ↑ to select: 🎧 volume: Press ← or → to decrease or increase the volume level from the headphones. 🎧 Dual Sound: • For a Stereo broadcast: Press ↓ or ↑ to select Stereo or Mono • For a bilingual broadcast: Press ↓ or ↑ to select mono (for mono channel if available), A (for channel 1) or B (for channel 2). 🎧 PAP Sound: Select Frame if you want to listen to the active screen (framed) of the PAP screen (see page 19), select Left picture if you want to listen to the left screen or select Right picture if you want to listen to the right screen.

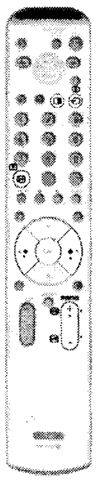
* The "BBE High Definition Sound system" is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and BBE Symbol are trademarks of BBE Sound, Inc.

**This TV has been designed to create surround sound effect by simulating the sound of four speakers with two speakers, when the broadcast audio signal is Dolby Surround encoded. The sound effect can also be improved by connecting a suitable external amplifier (for details refer to page 23).

** Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol DD are trademarks of Dolby Laboratories.

PAP (PICTURE AND PICTURE)

PAP divides the screen into two for watching two pictures in format 4:3 simultaneously.



Switching PAP on and off

1 Press ◨ to display PAP.

One of the screens will be framed to indicate that this is the active screen. It means that when you want to select the PAP source, you will be doing it in the active screen.

2 Press ◨ again to remove PAP.

On the screen appears a banner guiding you how to operate PAP. This banner will disappear after some seconds but it always can be displayed again by pressing the ⊞ button.

Selecting PAP source

1 Selecting a TV channel:
Press the ← button to select the left screen as the active screen. Next press the number buttons or PROG +/- to select a TV channel.

⚠ Video input signals can not be displayed on the left screen.

2 Selecting an input source:
Press the → button to select the right screen as the active screen. Next press repeatedly the ⇥ button to watch the input signal of a connected equipment onto the TV right screen. For more details on which input symbol you want to choose, please see section "Viewing pictures from equipment connected to the TV" on page 23.

⚠ RF signal (TV broadcast channels) can not be displayed on the right screen.

Changing the active screen

To change the active screen (framed), press the ← or → buttons.

Selecting the sound

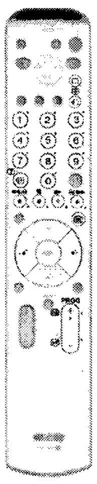
The sound of the active screen (framed) always comes from the TV set loudspeakers.
Besides that, you can listen to the active screen as well as the non active screen via headphones.

To do this:
With the PAP switched on, refer to the section "The Sound Adjustment Menu", select "Headphones Set Up" and set the option "🎧 PAP Sound" according your preference. For details see page 13.

Teletext

Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.

⚠ Teletext errors may occur if you use a channel (TV Broadcast) with a weak signal.

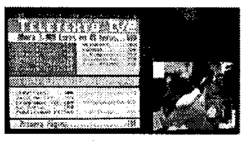


To switch on Teletext :

1 Select the broadcast channel which carries the teletext service you wish to view.

2 Press the ▤ button one time to enter Picture and Text (P&T) mode. The screen is divided into two with the Text display on the left and the TV channel in the right corner.

3 If you wish to view the Text in full screen mode, press the ▤ button a second time.



To select a Teletext page:

Input 3 digits for the page number, using the numbered buttons.

If you make a mistake, retype the correct page number.
If the counter on the screen continues searching, it is because the page is not available. If this is the case, input another page number.

To access the next or preceding page:

Press PROG + (▲) or PROG - (▼).

To freeze a teletext page:

Press ⇥/⊜. Press it again to cancel the freeze.

To reveal concealed information (e.g: answer to a quiz):

Press ⊞/?. Press it again to conceal the information.

To select a sub page:

A teletext page may consist of several sub pages. In this case, one or more arrows appear next to the page number and an information box is displayed at the bottom of the screen showing the number of sub pages contained on this page. As soon as sub pages are available, they starts to automatically run. If you want to stop the show and select your desired sub page, press repeatedly ← or →.

To Switch Off Teletext:

Press ▢.

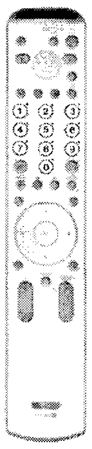
Fastext

Fastext service lets you access Teletext pages with one button push.
When you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the appropriate coloured button (red, green, yellow or blue) to access the page corresponding to your menu choice.

Remote Control Configuration for VCR or DVD

ℹ In it's default condition this remote control will operate the basic functions of this Sony TV, Sony DVDs and most Sony VCRs. To control VCRs and DVDs of other manufacturers (and some Sony VCR models).

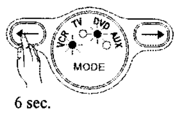
fig. 2



To do this:

⚠
- Before you start, look up the 3 digit code for your brand of DVD or VCR from the list below. On those brands that have more than one code, enter the first code number.
- Sony will endeavour to update the software according to market changes. Therefore, please refer to code table included with the remote control for latest code set.
- A small label is added inside the battery door to allow you to record your brand codes.

fig. 1

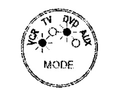


1 Press and hold the ⟵ button of the remote control for approximately 6 seconds until the green DVD and VCR light of the Media Selector starts flashing (see fig. 1).

2 While the VCR and DVD lights are flashing, enter all three digits of the code for your brand of VCR or DVD (see the list below) using the number buttons on the remote control (see fig. 2).

ℹ If your selected code is entered correctly, the green light VCR or DVD (according to your selection) will be lit momentarily (see fig. 3), otherwise repeat all the above steps.

fig. 3



3 Turn on your VCR or DVD and check that the main functions work.

⚠
- If your device is not working or some of the functions do not work please check that you entered the correct code set or try the next code listed against the brand.
- Not all brands are covered and not all models of every brand may be covered.

4 Always remember to press the ⟵ or ⟶ button until the green light iluminates according to the equipment you want to operate with this remote control: VCR, TV or DVD. Refer to pages 24 - 25 on how to operate the AUX mode.

VCR Brand List

Brand	Code
SONY (VHS)	301, 302, 303, 308, 309,362
SONY (BETA)	303, 307, 310
SONY (DV)	304, 305, 306
AIWA	325, 331, 351
AKAI	326, 329, 330
DAEWOO	342, 343
GRUNDIG	358, 355, 360, 361, 320, 351, 366
HITACHI	327, 333, 334
JVC	314, 315, 322, 344, 352, 353, 354, 348, 349
LG	332, 338
LOEWE	358, 355, 360, 361, 320, 351
MATSUI	356, 357
ORION	328
PANASONIC	321, 323
PHILIPS	311, 312, 313, 316, 317, 318, 358, 359, 363, 364
SAMSUNG	339, 340, 341, 345
SANYO	335, 336
SHARP	324
THOMSON	319, 350, 365
TOSHIBA	337

DVD Brand List

Brand	Code
SONY	001, 029, 030, 036, 037, 038, 039, 040, 041, 042, 043, 044, 053, 054, 055
AIWA	021
AKAI	032
DENON	018, 027, 020, 002
GRUNDIG	009, 028, 023, 024, 016, 003
HITACHI	025, 026, 015, 004, 035
JVC	006, 017
KENWOOD	008
LG	015, 014, 034
LOEWE	009, 028, 023, 024, 016, 003
MATSUI	013, 016
ONKYO	022, 033
PANASONIC	018, 027, 020, 002, 045, 046, 047
PHILIPS	009, 028, 023, 024, 016, 003, 031
PIONEER	004, 050, 051, 052
SAMSUNG	011, 014
SANYO	007
SHARP	019, 027
THOMSON	012
TOSHIBA	003, 048, 049
YAMAHA	018, 027, 020, 002

Technical Specifications

TV system:
Depending on your country selection:
B/G/H, D/K, L, I

Colour system:
PAL
SECAM, NTSC 3.58, 4.43 (only Video In)

Channel Coverage:

VHF:	E2-E12
UHF:	E21-E69
CATV:	S1-S20
HYPER:	S21-S41
D/K:	R1-R12, R21-R69

Picture Tube:
Flat Display FD Trinitron:
29" (approx. 73 cm. measured diagonally)

Rear Terminals
- AV1
  ⇨1/⇦1
  21-pin scart connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.
- AV2
  ⇨2/⇦2
  21-pin Scart connector (CENELEC standard) including audio / video input, RGB input, monitor audio/video output.
- AV3
  ⇨3/⇦3
  21-pin Scart connector (CENELEC standard) including audio / video input, S video input, selectable audio / video output and SmartLink interface.
- ⇨ audio outputs (Left/Right) - phono jacks

Front Terminals

•	⇦4	S Video input – 4 pin DIN
•	⇦4	video input – phono jack
•	⇦4	audio input – phono jacks
•	🎧	headphones jack

Sound Output:
2 x 20 W (music power)
2 x 10 W (RMS)
Woofer:
30 W (music power)
15 W (RMS)

Power Consumption:
135 W

Standby Power Consumption:
0.5 W

Dimensions (w x h x d) :
approx. 789 x 605 x 521 mm.

Weight:
approx. 51 Kg.

Accessories supplied:
- 1 Remote Control (RM-943)
- 2 Batteries (IEC designated, AA size)

Other features:
- 100 Hz picture, Digital Plus.
- Teletext, Fastext, TOPtext.
- NexTView.
- SmartLink.
- TV system autodetection.
- Dolby Virtual.
- BBE Digital.
- NICAM.
- PAP.
- ACI (Auto Channel Installation).
- eco Halogen free flame retardant used in cabinets.

Optional accessories:
- Stand especially designed for this TV (SU-2829FQ3).

Design and specifications are subject to change without notice.

This instruction manual is made from 100% recycled paper.

Troubleshooting

ℹ Here are some simple solutions to problems which may affect the picture and sound.

Problem	Solution
No picture (screen is dark) and no sound.	• Check the aerial connection. • Plug the TV in and press the ⏻ button on the front of the TV. • If the standby indicator ⏻ is on, press TV I/⏻ button on the remote control.
Poor or no picture (screen is dark), but good sound.	• Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to the factory settings (see page 11).
No picture or no menu information from equipment connected to the Scart connector.	• Check that the optional equipment is on and press the ⇦ button repeatedly on the remote control until the correct input symbol is displayed on the screen (see page 23).
Good picture, no sound.	• Press the ◢ + button on the remote control. • Check that "TV Speakers" is "On" in the "Sound Adjustment" menu (see page 13). • Check that headphones are not connected.
No colour on colour programmes.	• Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to factory settings (see page 11).
When you switch on the TV the last channel you were watching before switching the TV off does not appear.	• This is not a malfunction. Press the number buttons on the remote control to select the desired channel.
Distorted picture when changing programmes or selecting teletext.	• Turn off any equipment connected to the Scart connector on the rear of the TV.
Wrong characters appear when viewing teletext.	• Use the menu system to enter the "Country" menu (see page 16) and select the country in which you operate the TV set. For cyrillic languages, we recommend selecting Russia country if your own country does not appear in the list.
Wrong characters appear when viewing NexTView.	• Use the menu system to enter the "Language" menu (see page 16) and select the same language that NexTView is broadcast in.
Picture slanted.	• Using the menu system, select the "Picture Rotation" option in the "Features" menu to correct the picture slant (see page 15).
Snowy picture when viewing a TV channel.	• Using the menu system, select the "Manual Programme Preset" menu and adjust Fine Tuning (AFT) to obtain better picture reception (see page 18). • Using the menu system, select the "Noise Reduction" option in the "Picture Adjustment" menu and select "Auto" to reduce the noise in the picture (see page 11).

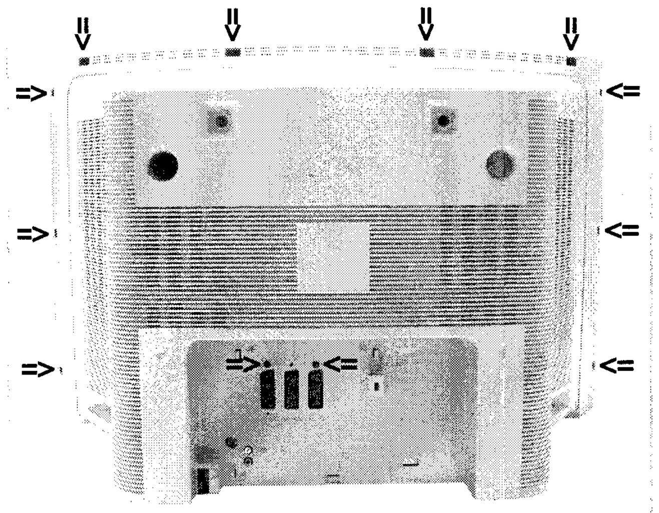
continued...

Problem	**Solution**
No unscrambled picture whilst viewing an unscrambled channel with a decoder or a Set Top Box connected through the Scart connector ⇨3/⇦3.	• Using the menu system, select the "Features" menu and set "AV3 Output" to "TV" (see page 15). • Check that the Decoder or the Set Top Box is not connected on the scart ⇨2/⇦2.
Remote control does not function.	• Check that the Media Selector on the remote control is set to the device you are using (VCR, TV, DVD or AUX). • If the remote control does not operate the VCR or DVD even when the Media Selector has been set correctly. Enter the necessary code set as explained on page 26. • Replace the batteries.
The standby indicator ⏻ on the TV flashes.	• Contact your nearest Sony service centre.

⚠ If you continue to experience problems, have your TV serviced by qualified personnel. Never open the casing yourself.

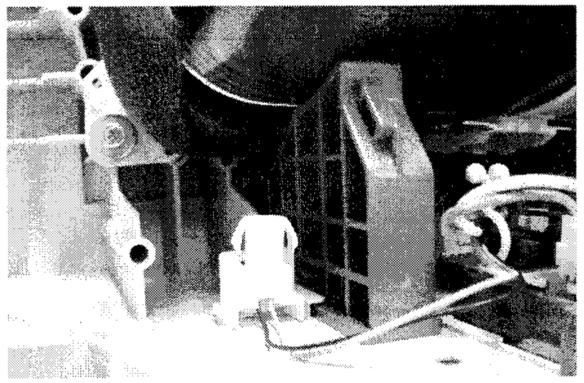
SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



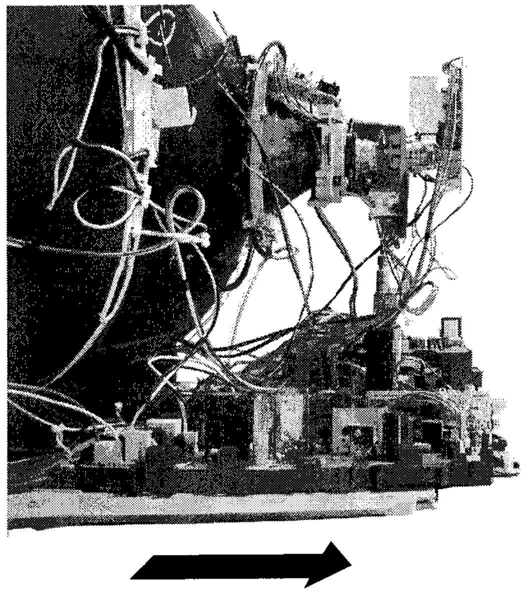
Remove the rear cover fixing screws indicated and pull the rear cover backwards away from the set. Take care when removing the rear cover not to damage the speaker cable [Disconnect the speaker connector] a speaker is fitted inside the rear cover.

2-2. Speaker Connector Disconnection

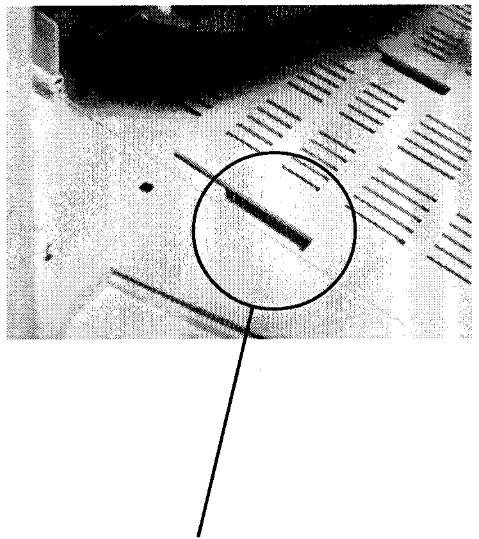


Before completely removing the rear cover disconnect the speaker connector which is located on the inside of the set.

2-3. Chassis Removal and Refitting

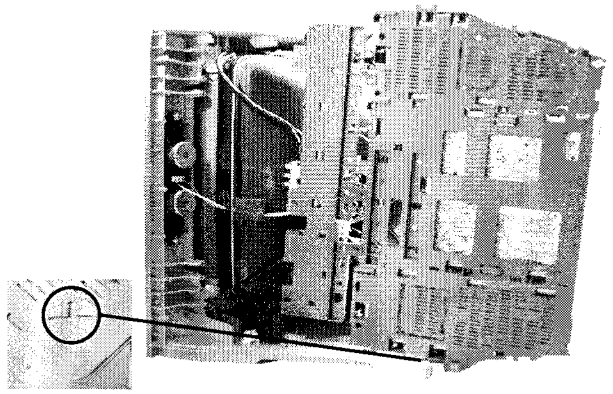


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



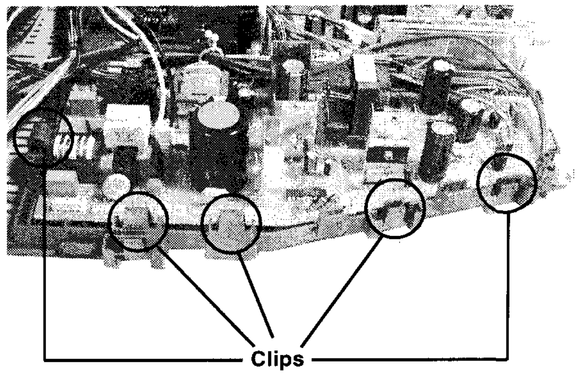
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the inter-connecting leads in their respective purse locks.

2-4. Service Position



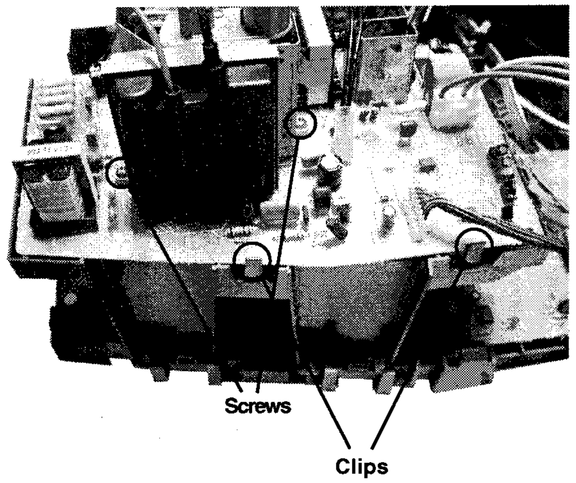
To place the chassis in the service position, insert the main bracket firmly into the T-slot located on the left corner of the beznet as indicated (see inset). To gain access to the underside of the boards follow the instructions on page 16. [Removal and Replacement of the main bracket bottom plates].

2-5. G Board Removal



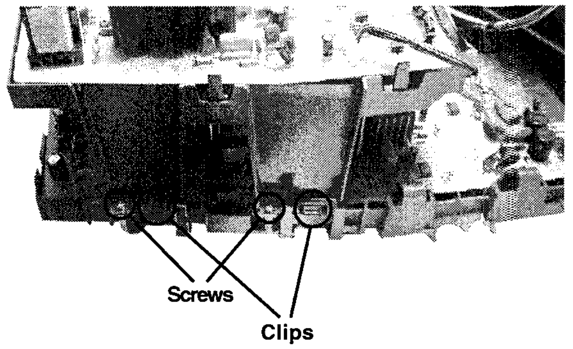
To remove the G Board remove the two screws from the middle of the board, release the clips circled and ease the board gently away from the support bracket.

2-6. D2 Board Removal



To remove the D2 board remove the two screws circled, release the clips circled and ease the board gently away from the support bracket.

2-7. D Board Removal

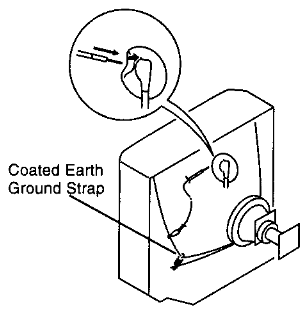


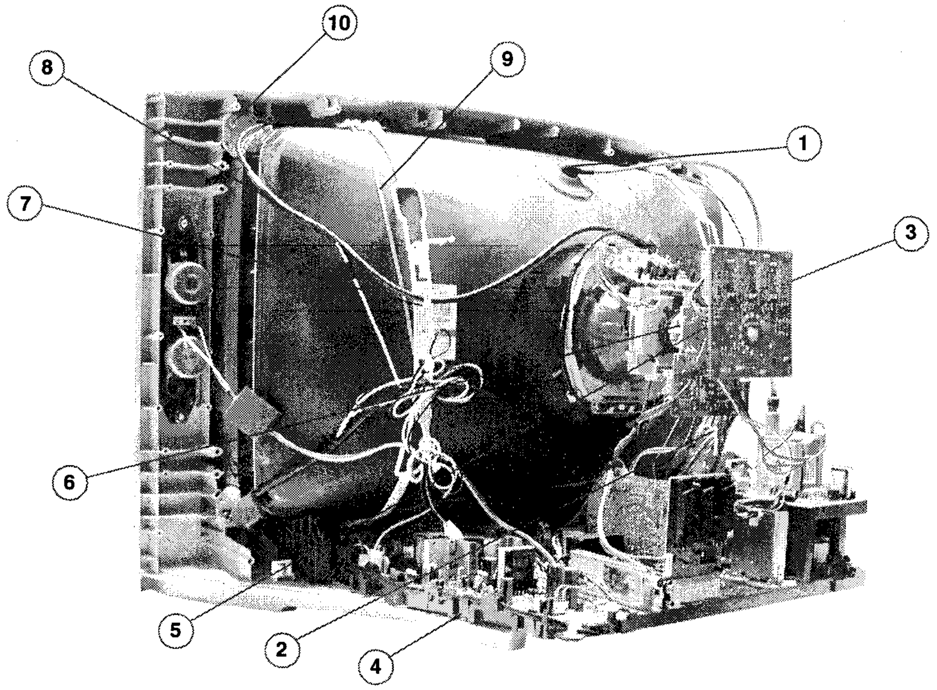
To remove the D board first remove the D2 bracket by removing the two screws circled and releasing the four clips (two on each side of the bracket). The D board can then be removed using the same method as the G board but with the necessity to remove only one screw from the middle of the D board.

2-8. Picture Tube Removal

WARNING:
BEFORE REMOVING
THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT ***before*** attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.

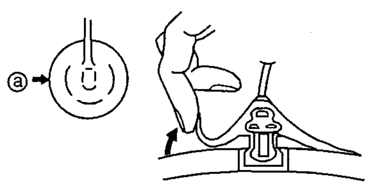




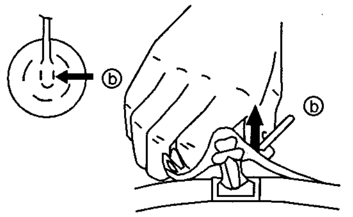
1. Discharge the anode of the CRT and remove the anode cap.
2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
3. Remove the C Board from the CRT.
4. Remove the chassis assembly.
5. Loosen the Neck assembly fixing screw and remove.
6. Loosen the Deflection yoke fixing screw and remove.
7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
8. Remove the Degaussing Coils.
9. Remove the CRT grounding strap and spring tensioners.
10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
    [Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

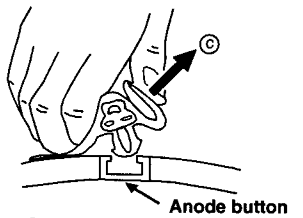
REMOVAL PROCEDURE.



① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ



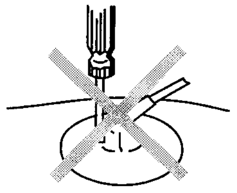
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ

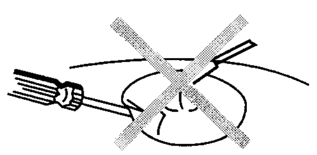


③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⓒ

How to handle the Anode-Cap

1. To prevent damaging the surface of the anode-cap do not use sharp materials.
2. Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
3. A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
4. Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the printed wiring boards, the bottom plates fitted to the main chassis bracket require to be removed. This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

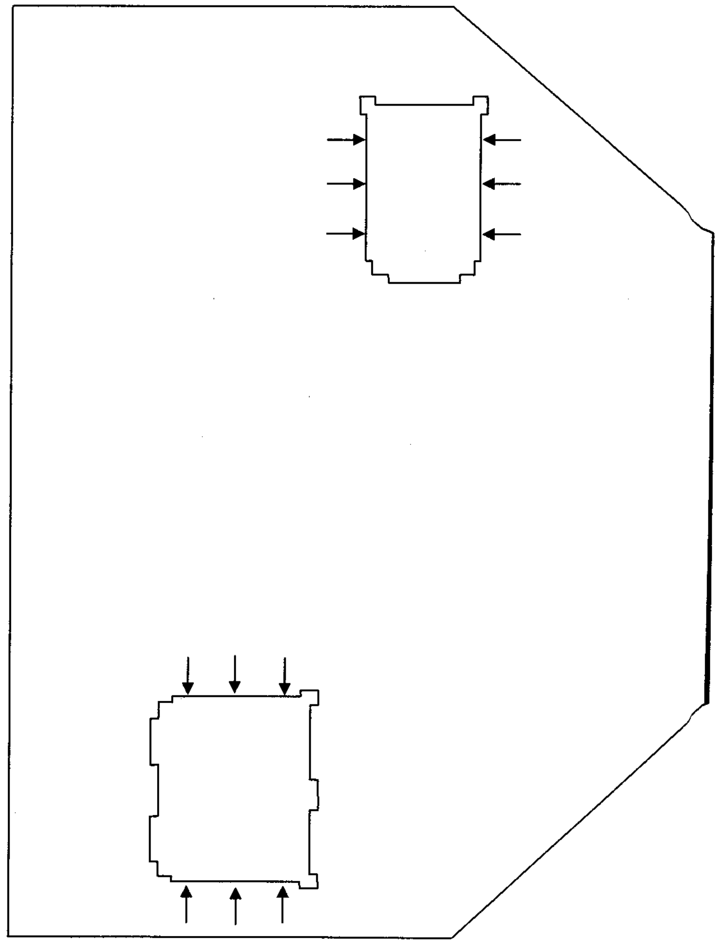
Note : There are 2 plates fitted to the main bracket. Only remove the necessary plate to gain access to the printed wiring board.

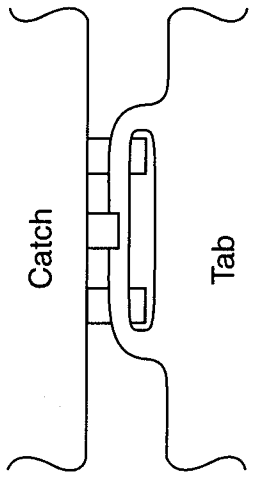
⚠ For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.





SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings :

Contrast .... normal

Brightness .... normal

Carry out the adjustments in the following order :

3-1. Beam Landing.
3-2. Convergence.
3-3. Focus.
3-4. White Balance.

Note : Test equipment required.

1. Color bar/pattern generator.
2. Degausser.
3. Oscilloscope.
4. Digital multimeter.

3-1. Beam Landing

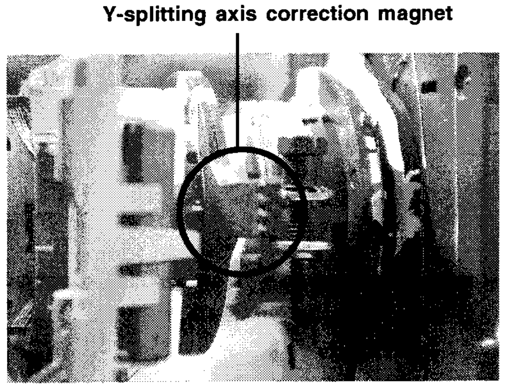
Preparation :

1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
2. Switch on the TV set's power and degauss with a degausser.

(1) **Adjustment of Correction Magnet for Y-Splitting Axis.**

1. Input a crosshatch signal from the pattern generator.
2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
3. Position the neck assembly as indicated in Fig.3-2.
4. Loosen the deflection yoke fixing screw.
5. Move the deflection yoke as far forward as is possible.
6. Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-3]
7. Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1


Y-splitting axis correction magnet

Caution :

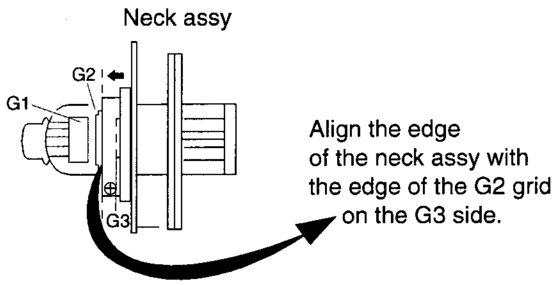
High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) **Landing**

Note : Before carrying out the following adjustments adjust the magnets as indicated [See Fig.3-4].

1. Input a crosshatch signal from the signal generator.
2. Rough-adjust the focus and horizontal convergence.
3. Switch from the crosshatch pattern to an all-red pattern.
4. Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
7. Position the deflection yoke between the two marks indicated above.
8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
9. When the position of the deflection yoke has been determined, fasten it with its fixing screw.
10. Switch the pattern generator to green then blue and confirm the purity.
11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

Fig.3-2


Neck assy
G2
G1
G3
Align the edge of the neck assy with the edge of the G2 grid on the G3 side.

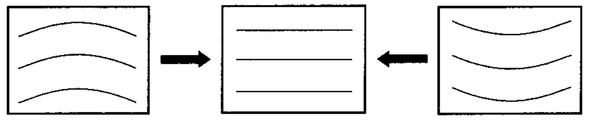
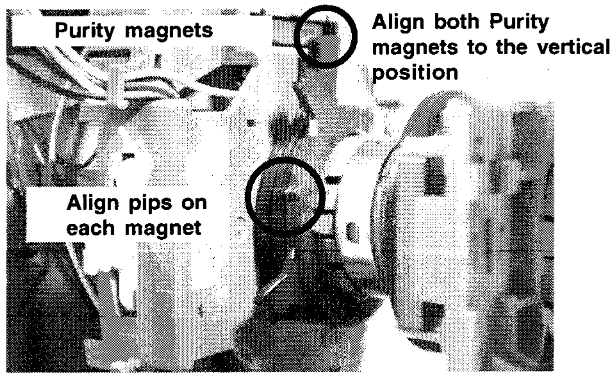


Fig.3-3

Fig.3-4


Purity magnets
Align both Purity magnets to the vertical position
Align pips on each magnet

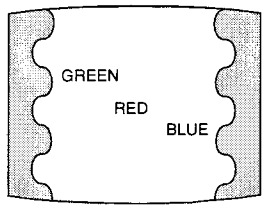
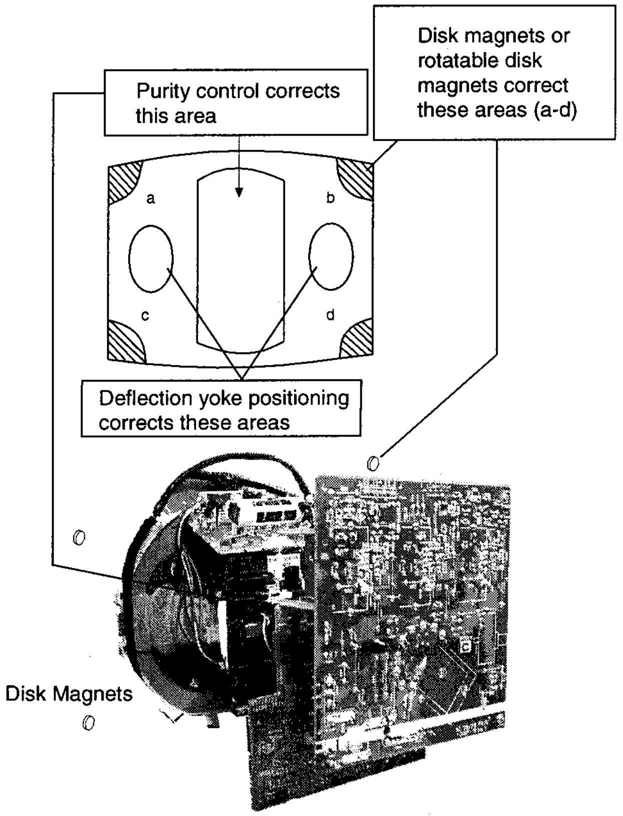
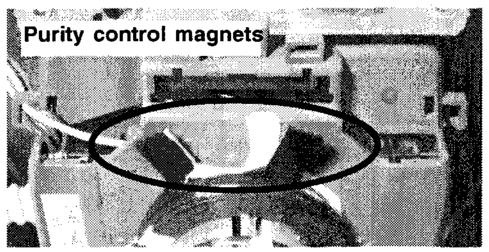

GREEN
RED
BLUE

Fig.3-5

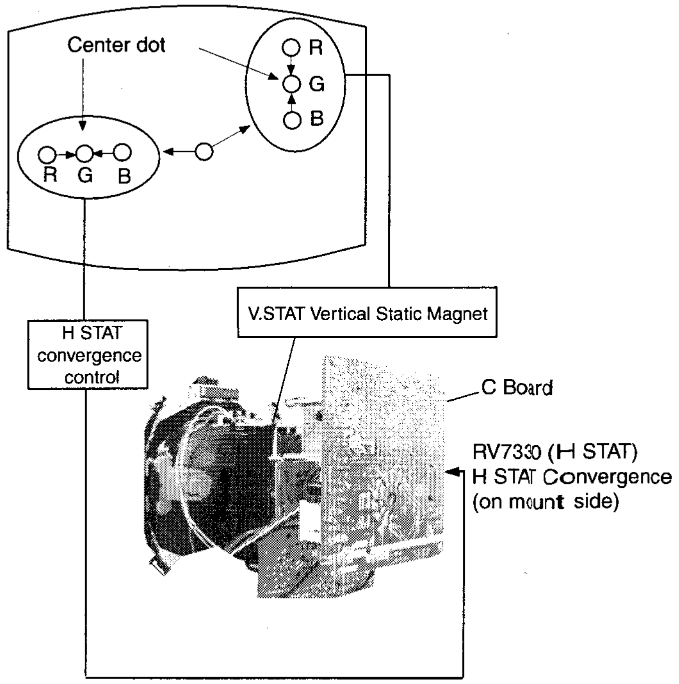

Purity control corrects this area
Disk magnets or rotatable disk magnets correct these areas (a-d)
a
b
c
d
Deflection yoke positioning corrects these areas
Disk Magnets


Purity control magnets

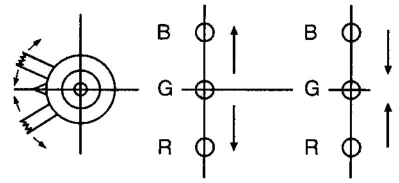
3-2. Convergence

(1) **Screen centre convergence [Static convergence]**

1. Input a dot pattern signal from the pattern generator.
2. Normalize the picture setting.
3. [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.


Center dot
R
G
B
R G B
V.STAT Vertical Static Magnet
H STAT convergence control
C Board
RV7330 (H STAT)
H STAT Convergence
(on mount side)

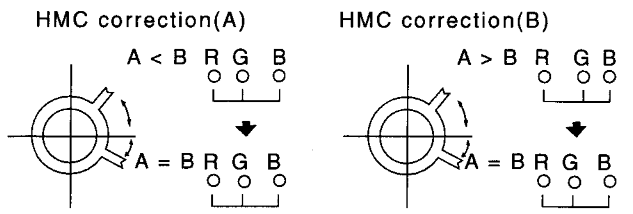
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



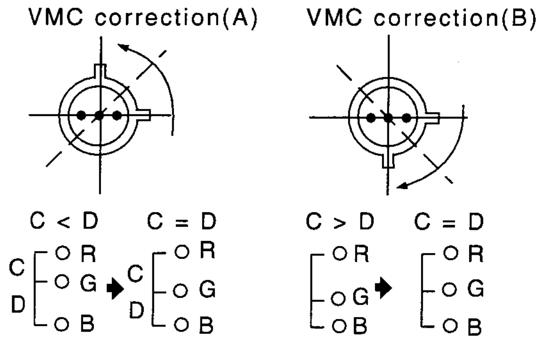
Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.

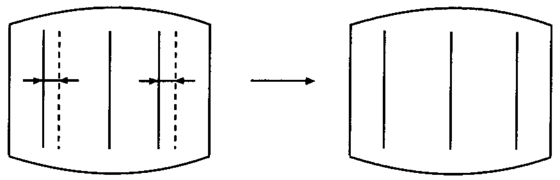
a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.


HMC correction(A)
A < B R G B
A = B R G B
HMC correction(B)
A > B R G B
A = B R G B

b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

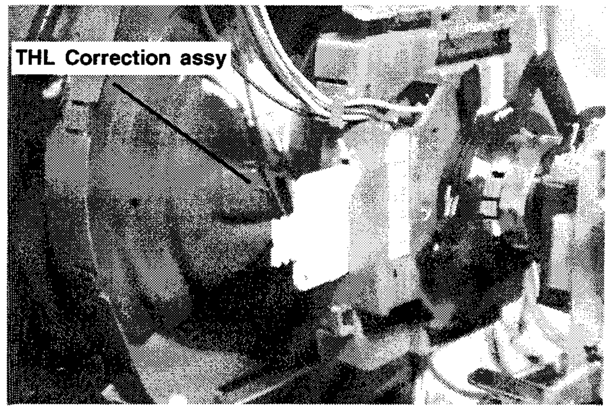

VMC correction(A)
VMC correction(B)
C < D
C = D
C > D
C = D
C
D
O R
O G
O B

HAMP Adjustment

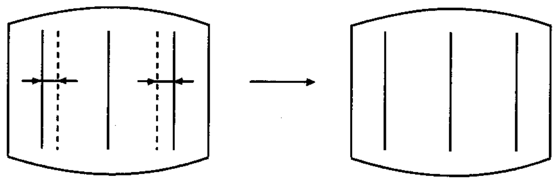


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

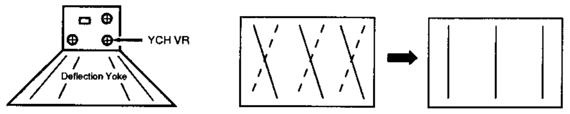
HTIL Adjustment


THL Correction assy

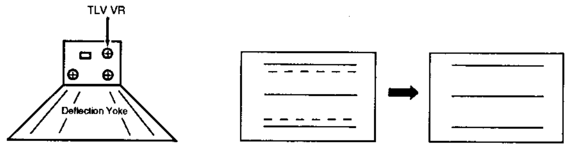
HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



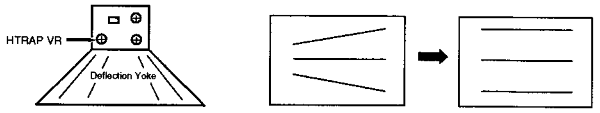
YCH Adjustment


YCH VR
Deflection Yoke

TLV Adjustment

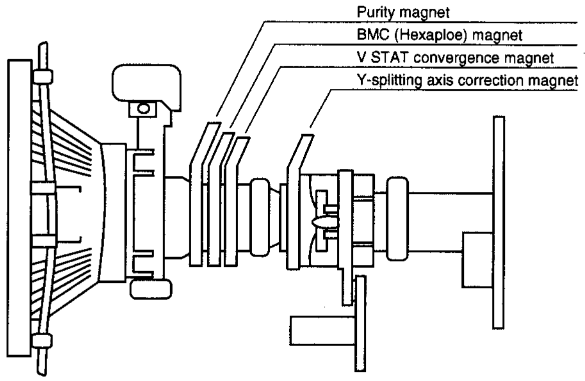

TLV VR
Deflection Yoke

H-TRAP Adjustment

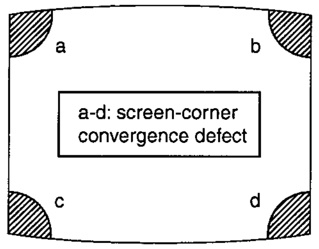

HTRAP VR
Deflection Yoke

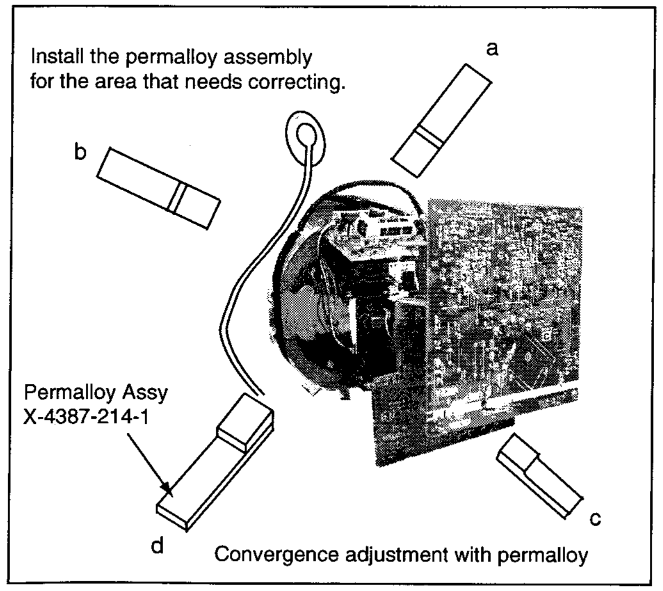
The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

Layout of each control


Purity magnet
BMC (Hexaploe) magnet
V STAT convergence magnet
Y-splitting axis correction magnet

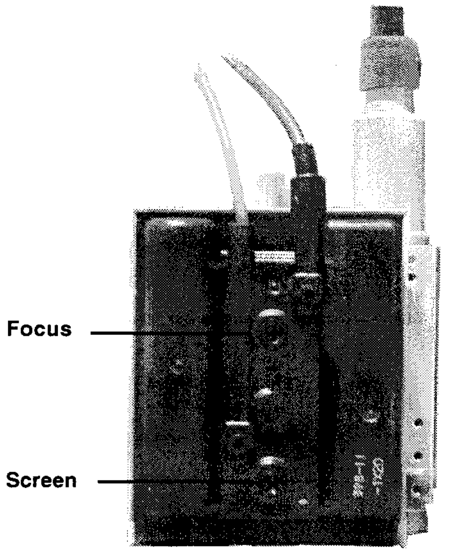
Note : If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.


a
b
a-d: screen-corner convergence defect
c
d


Install the permalloy assembly for the area that needs correcting.
a
b
Permalloy Assy X-4387-214-1
d
c
Convergence adjustment with permalloy

3-3. Focus Adjustment

1. Receive a television broadcast signal.
2. Normalize the picture setting.
3. Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
   Bring only the centre area of the screen into focus, the magenta-ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.


Focus
Screen

3-4. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

G2 adjustment

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 175V DC from an external power supply to the R, G and B cathodes of the CRT.
4. Whilst watching the picture, adjust the G2 control [SCREEN] located on the flyback transformer to the point just before the flyback return lines disappear.

White balance adjustment for TV mode

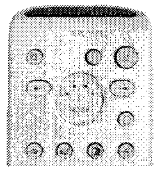
1. Input an all-white signal from the pattern generator.
2. Program the Remote Commander for operation in Service Mode. [See Page 21].
3. Enter into the 'Service Mode' by pressing 'AUX/VIDEO' button twice and 'MENU' on the Service Commander.
4. Select 'Service' from the on screen menu display and press 'Right Arrow'.
5. The 'Service' menu will appear on the screen.[See Page 21]
6. Select 'Picture' from the on screen menu and press right arrow.
7. Select 'Picture settings' from the on screen menu and press right arrow and set the 'Contrast_Max' to MAX.
8. Select 'White Balance' from the on screen menu and press right arrow.
9. The 'White Balance' menu will appear on the screen.
10. Set the 'Normal_PAL_RD' to 465.
11. Adjust the 'Normal_PAL_GD' and the 'Normal_PAL_BD' so that the white balance becomes optimum.
12. Select 'Picture settings' from the on screen menu and press right arrow and set the 'Contrast_Min' to MIN.
13. Set the 'Normal_PAL_RC' to 121.
14. Adjust the 'Normal_PAL_GC' and the 'Normal_PAL_BC' with the left and right buttons on the commander so that the white balance becomes optimum.
15. Press the 'OK' button to write the data for each item.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. Electrical Adjustments

Service adjustments to this model can be performed using the supplied remote Commander RM-943.

Programming the Remote Commander for Operation in Service Mode



1. Press and hold the left Mode Select button until the VCR and DVD LED's flash.
2. Press 99999. The TV LED should light. The remote commander is now set to Service Mode.
3. To return the remote commander to normal operation mode repeat step 1. then press 00000. The TV LED should light. The remote commander is now set to normal mode.

Setting the TV into Service Mode

1. Program the remote commander for operation in Service Mode as described above.
2. Turn on the TV main power switch.
3. Press the 'aux/video' standby button on the remote commander twice.
   'TT__' will appear in the upper right corner of the screen. Other status information will also be displayed.
4. Press 'MENU' on the remote commander to obtain the following menu on the screen.

Service Main Menu:AE6BAD/Y (v0.26D) NVM VERSION:04H

Service ▶
Design
Error

Select: ▲ ▼ Select Item: ▶ FACTORY INFO:FFH FFH 03H

5. Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
6. Press the right arrow button to enter into the required menu item.
7. Press the 'aux/video' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

Service

Geometry ▶
Picture
Audio

Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀

Geometry

Wide mode adjustment ▶
Screen offsets
Frequency offsets

Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀

Wide mode adjustment

Description	(min,max)	Default	Value
V AMP	(-128,127)	35	35 ▶
V ZOOM	(0,510)	256	256
V POS	(-512,511)	-10	-10
V LIN	(-128,127)	0	0
V SCORR	(-128,1270)	4	4
H WIDTH	(-256,255)	63	63
V TRAP	(-128,127)	1	1
PIN AMP	(-511,511)	-80	-80
UP COR	(-128,127)	-1	-1
LOW COR	(-128,127)	-2	-2
H POS	(-600,600)	10	10
ANGLE	(-511,511)	-1	-1
BOW	(-511,511)	8	8
H LIN	(0,255)	85	84
H TRAP	(0,255)	138	138
H SCORR	(0,255)	100	100
UP COR 6	(-128,127)	-1	-1
LOW COR 6	(-128,127)	0	0
PIN UNBAL	(-240,240)	-40	-40
MID PIN	(-240,240)	-60	-60

Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀

Picture

White balance ▶
Colour Tone
Picture settings

Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀

Picture settings

Description	(min,max)	Default	Value
SUBCOLOR PAL	(0,63)	31	34 ▶
SUBCOLOR SECAM	(0,63)	31	34
SHP MAXLTI	(0,31)	31	20
SHP MAXPEAK	(0,15)	15	12
CONTRAST MIN	(0,63)	17	17
CONTRAST MAX	(0,63)	59	59
BRIGHT EXPAND	(0,511)	400	400
BRIGHT CENTER	(-256,255)	10	40

Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀

Audio

BBE OFF mode ▶
BBE Natural/V.Dolby offsets
BBE Dynamic offsets
BBE Cinema offsets
Subwoofer level adjustments
Audio detection thresholds

Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀

BBE OFF mode

Description	(min,max)	Default	Value
SW_FREQ_OFF	(5,40)	20	20 ▶
BAND1_OFF_OFFSET	(-96,96)	0	0
BAND2_OFF_OFFSET	(-96,96)	0	0
BAND3_OFF_OFFSET	(-96,96)	0	0
BAND4_OFF_OFFSET	(-96,96)	0	0
BAND5_OFF_OFFSET	(-96,96)	0	0
BBE_LOUDNESS_OFF	(0,68)	0	0

Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀

Design

CXA2149 - AVSwitch Device ▶
DDP3315 - Backend Device
MSP3411 - Sound Processor Device
TDA988x - IF Device
TUA60xx - PLL Device
VSP9427 - Video Processor Device
CXA2019 - Chroma Decoder
CXD3804 - 3D Comb Filter
CXA8070 - Dynamic Convergence Device
FRC9429 - FRCA Device
PJ Engine

Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀

Error monitor

WORKING TIME: **(Hours:Minutes)** 82:33

Error counters:

Code	Item	Count
E02:	OCP	0
E03:	OVP	0
E04:	NO V SYNC	0
E05:	IKR	0
E06:	IIC	0
E07:	NVM	0
E08:	H PROT	0
E09:	TUNER	0
E10:	SOUND	0
E11:	9 VOLTS	0
E12:	SCANRATE	0
E13:	3DCOMB	0
E14:	BACKEND	0
E15:	DYNCON	0
E16:	HIGH VOLTAGE	0
E17:	AVSWITCH	0
E18:	CHROMA DEC	0
E19:	FRCA	0
E20:	PJ ENG	0
E21:	DAC	0
E24:	SPEAKER PROT	0
E25:	MEMORY STICK	0

Select: ▲ ▼ Previous Menu: ◀

Sub Brightness Adjustment

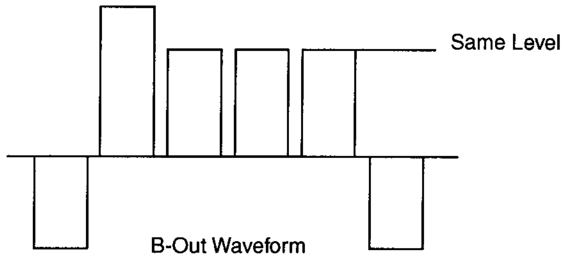
1. Input a Monoscope pattern.
2. Program the Remote Commander for operation in Service Mode. [See Page 21].
3. Press 'AUX/VIDEO' 'AUX/VIDEO' 13 on the Remote Commander.
4. Adjust the 'Sub-Brightness' data so that there is barely a difference between the 0 IRE and 10 IRE signal levels.

Sub Contrast Adjustment

1. Input a video signal that contains a small 100% white area on a black background.
2. Connect an oscilloscope to Pin 10 of J7330 [C Board].
3. Program the Remote Commander for operation in Service Mode. [See Page 21].
4. Adjust the Sub-Contrast
   [Using 'AUX/VIDEO' 'AUX/VIDEO' '11'] to obtain a voltage of 114 +0/- 5V.

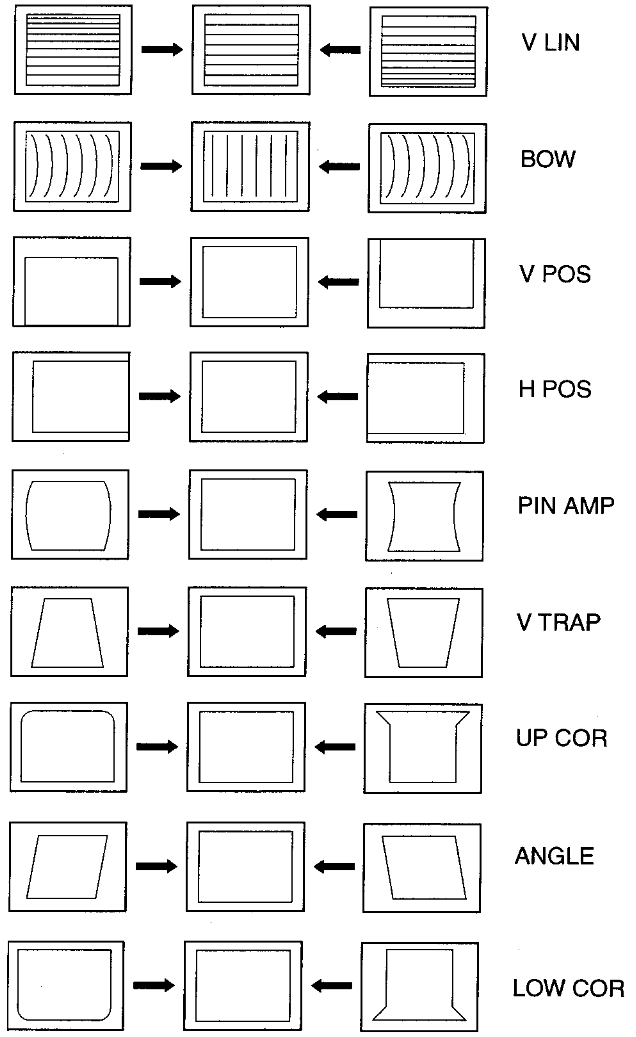
Sub Colour Adjustment

1. Receive a PAL colour bar signal.
2. Connect an oscilloscope to Pin 5 of CN7331 [C Board].
3. Program the Remote Commander for operation in Service Mode. [See Page 21].
4. Adjust the 'Sub Colour' [Using 'AUX/VIDEO' 'AUX/VIDEO' '12'] so that the Cyan, Magenta and Blue colour bars are of equal levels as indicated below.



Deflection System Adjustment

1. Program the Remote Commander for operation in Service Mode. [See Page 21] and enter into the 'Geometry' service menu, Wide mode adjustment.
2. Select and adjust each item in order to obtain the optimum image.

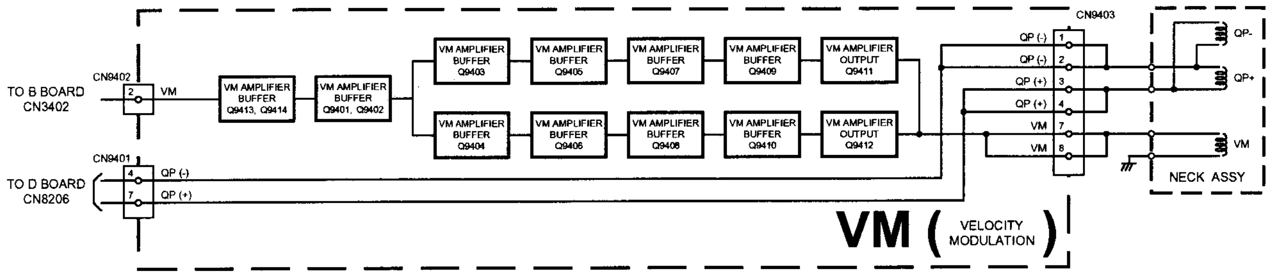


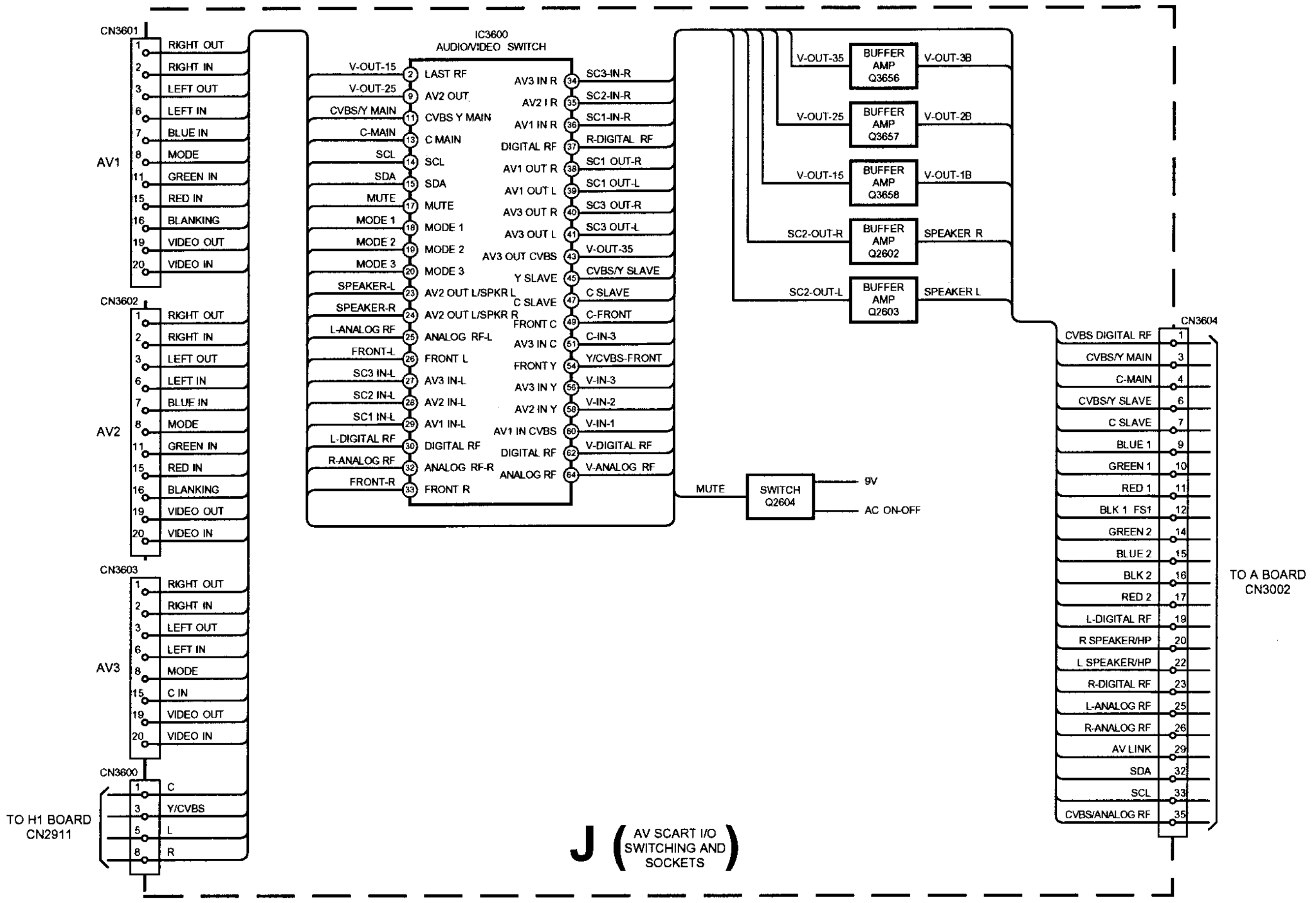
4-2. TEST MODE 2:

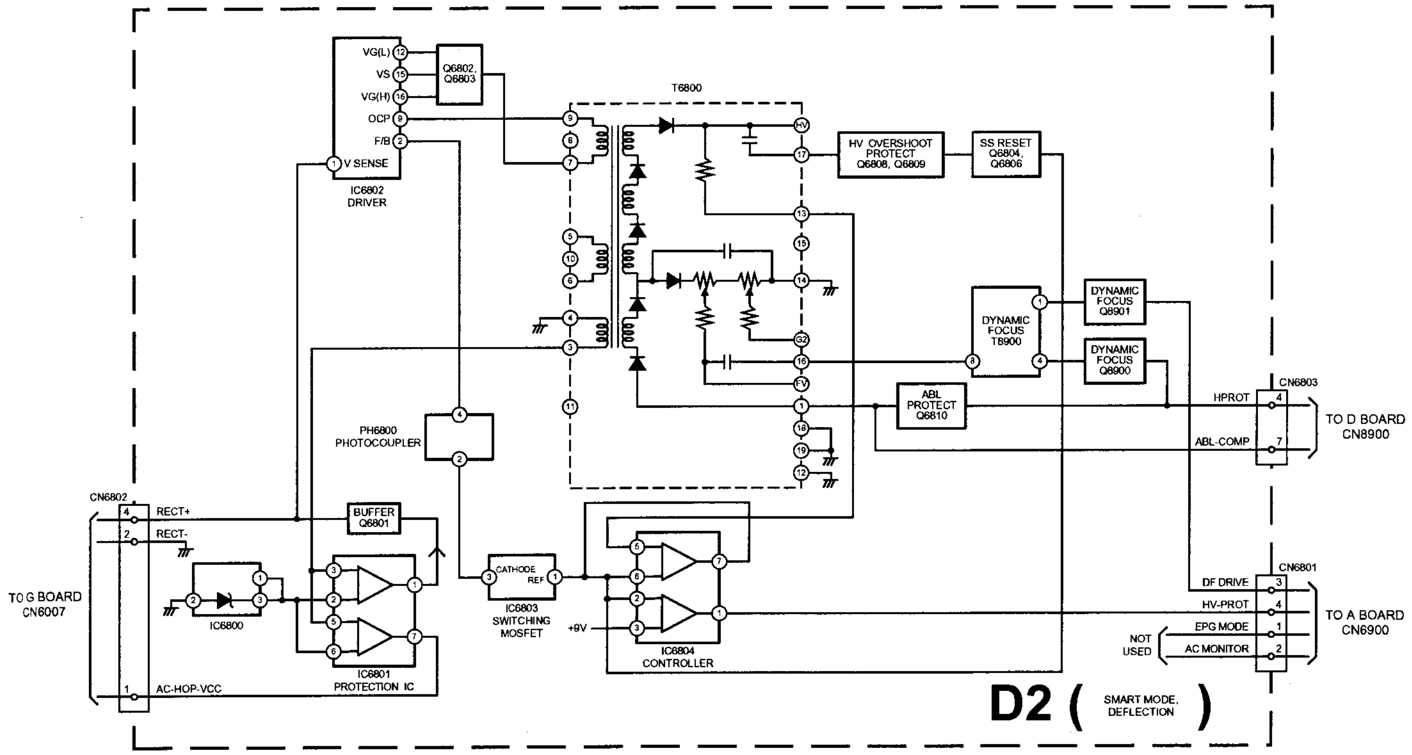
Test Mode 2 is available by programming the Remote Commander for operation in Service Mode [As shown on Page 21] then pressing the 'AUX/VIDEO' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release 'Test mode 2', press 00, or switch the TV set into Stand-by mode.

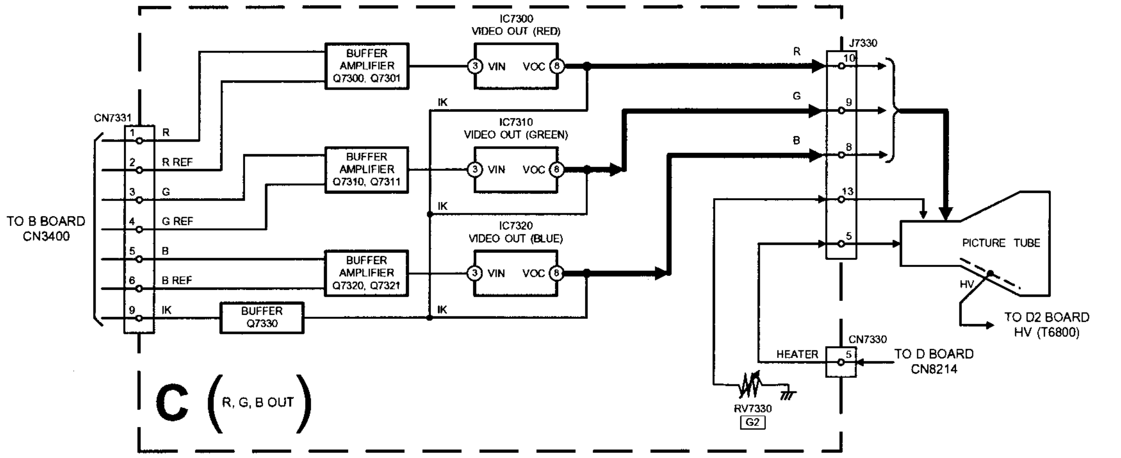
00	'TT' mode off
01	Set picture level to maximum
02	Set picture level to minimum
03	Set speaker/headphone Volume to 35%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing mode on
08	Shipping Condition
11	Sub picture adjustment
12	Sub colour adjustment
13	Sub brightness adjustment
15	Rotation coil test
16	Picture level 50%
19	Factory mode enable/disable
21	Destination ADEKR
22	Destination BL
24	Destination U
35	Wide model selection
36	VM off/on test
43	Select Dual A sound
44	Select Dual B sound
45	Select Mono sound
46	Select Stereo sound
49	Set NVM as virgin
53	FM Overmodulation enable/disable
62	AM from baseband enable/disable
73	Enable Zweiton D/K2 system (6.5/6.74)
74	Enable Zweiton D/K3 system (6.5/6.74)
78	Balance full left
79	Balance full right
87	Local keys test
91	Set 14:9 zoom mode
92	Set Smart zoom mode
93	Set 16:9 zoom mode
94	Set ZOOM zoom mode
95	Set 4:3 zoom mode
96	Set Smart zoom mode (for FX66)
99	DisplayError and Working Time menu

5-1. BLOCK DIAGRAMS (1)

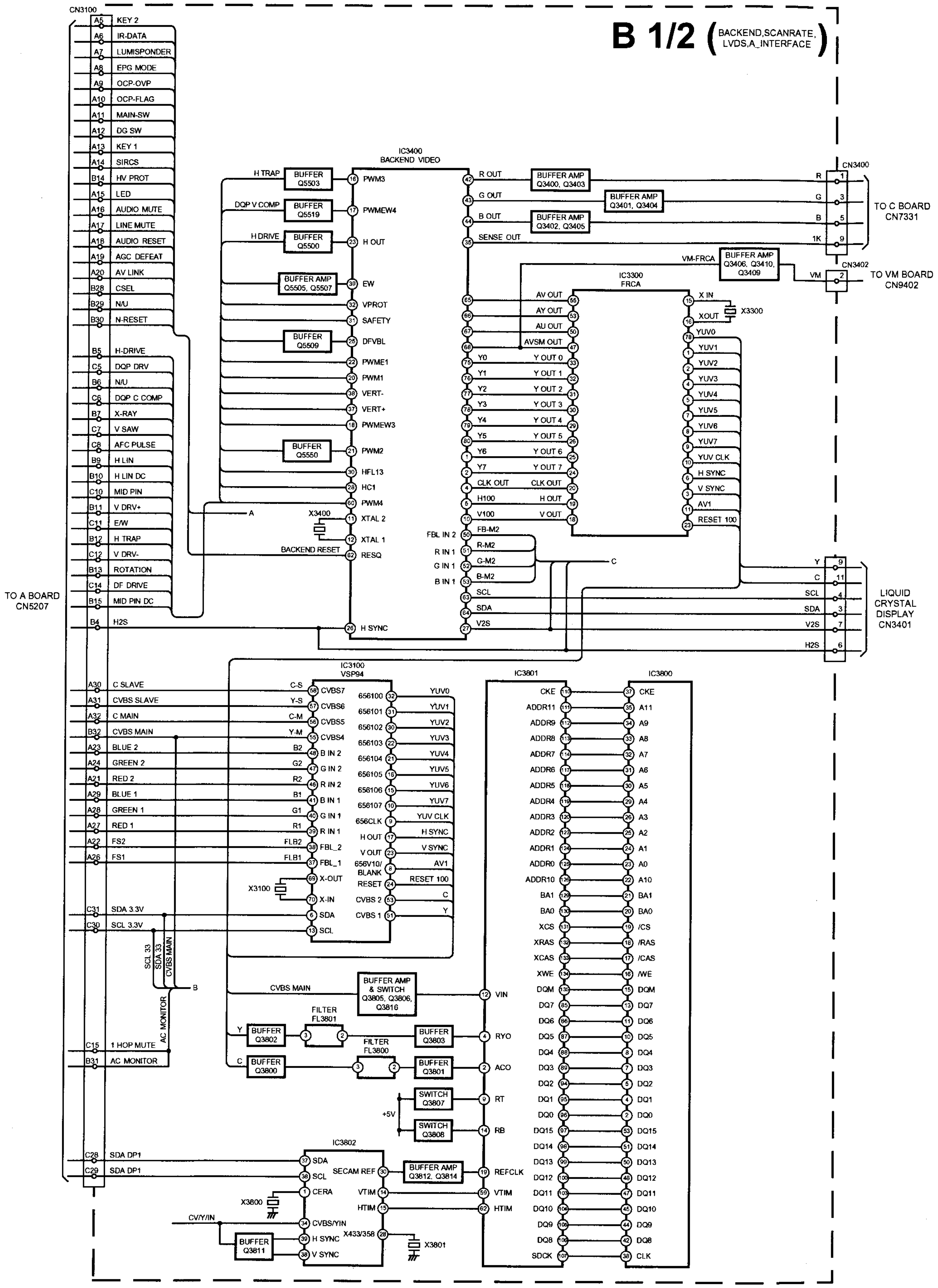

TO B BOARD CN3402
CN9402
VM
TO D BOARD CN8206
CN9401
QP (-)
QP (+)
VM AMPLIFIER BUFFER Q9413, Q9414
VM AMPLIFIER BUFFER Q9401, Q9402
VM AMPLIFIER BUFFER Q9403
VM AMPLIFIER BUFFER Q9405
VM AMPLIFIER BUFFER Q9407
VM AMPLIFIER BUFFER Q9409
VM AMPLIFIER OUTPUT Q9411
VM AMPLIFIER BUFFER Q9404
VM AMPLIFIER BUFFER Q9406
VM AMPLIFIER BUFFER Q9408
VM AMPLIFIER BUFFER Q9410
VM AMPLIFIER OUTPUT Q9412
CN9403
QP-
QP+
VM
NECK ASSY
VM (VELOCITY MODULATION)

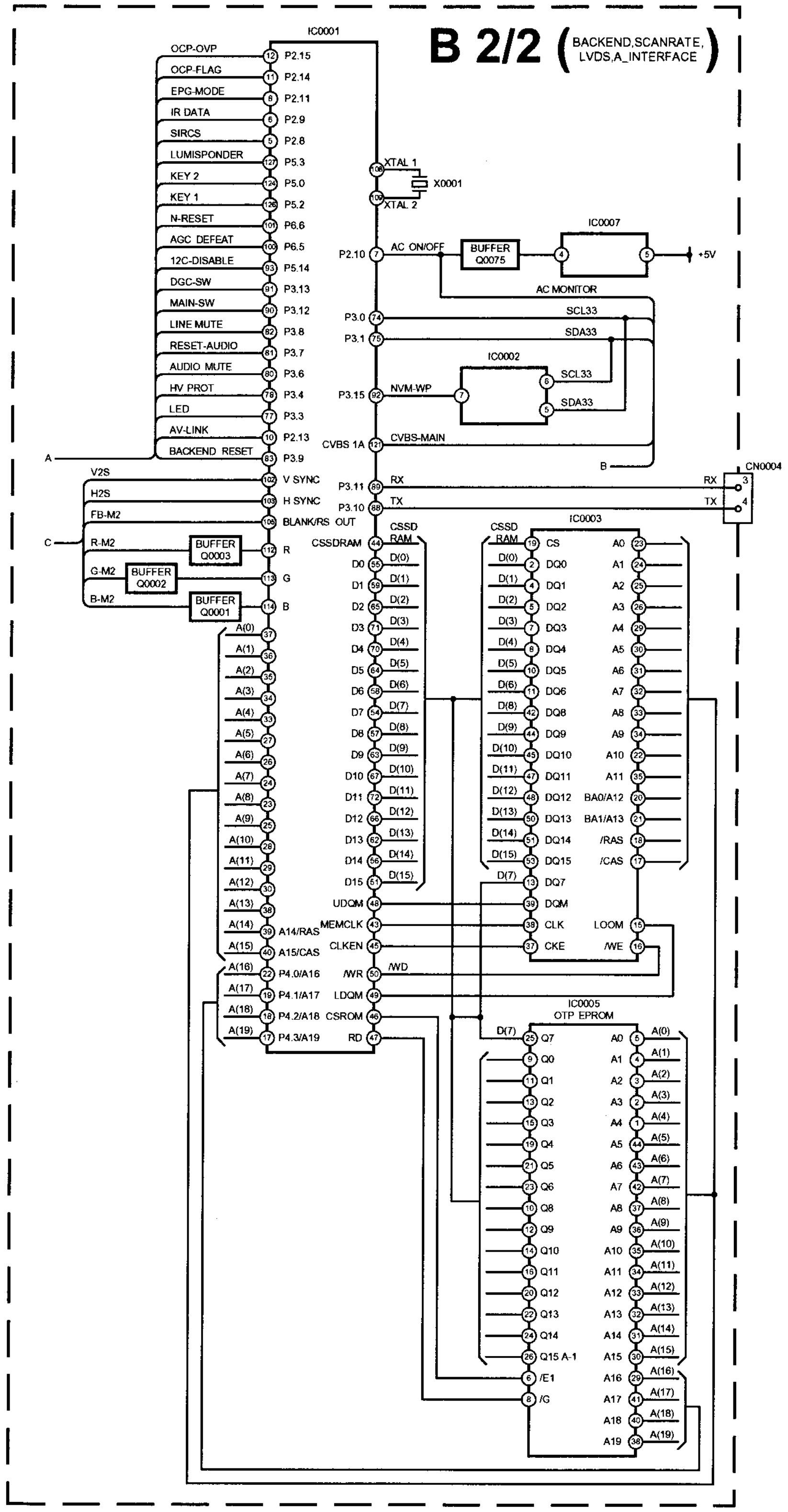

CN3601
AV1
RIGHT OUT
RIGHT IN
LEFT OUT
LEFT IN
BLUE IN
MODE
GREEN IN
RED IN
BLANKING
VIDEO OUT
VIDEO IN
CN3602
AV2
CN3603
AV3
C IN
CN3600
TO H1 BOARD CN2911
C
Y/CVBS
L
R
IC3600 AUDIO/VIDEO SWITCH
V-OUT-15
V-OUT-25
CVBS/Y MAIN
C-MAIN
SCL
SDA
MUTE
MODE 1
MODE 2
MODE 3
SPEAKER-L
SPEAKER-R
L-ANALOG RF
FRONT-L
SC3 IN-L
SC2 IN-L
SC1 IN-L
L-DIGITAL RF
R-ANALOG RF
FRONT-R
LAST RF
AV2 OUT
CVBS Y MAIN
C MAIN
AV2 OUT L/SPKR L
AV2 OUT L/SPKR R
ANALOG RF-L
FRONT L
AV3 IN-L
AV2 IN-L
AV1 IN-L
DIGITAL RF
ANALOG RF-R
FRONT R
AV3 IN R
AV2 I R
AV1 IN R
DIGITAL RF
AV1 OUT R
AV1 OUT L
AV3 OUT R
AV3 OUT L
AV3 OUT CVBS
Y SLAVE
C SLAVE
FRONT C
AV3 IN C
FRONT Y
AV3 IN Y
AV2 IN Y
AV1 IN CVBS
ANALOG RF
SC3-IN-R
SC2-IN-R
SC1-IN-R
R-DIGITAL RF
SC1 OUT-R
SC1 OUT-L
SC3 OUT-R
SC3 OUT-L
V-OUT-35
CVBS/Y SLAVE
C SLAVE
C-FRONT
C-IN-3
Y/CVBS-FRONT
V-IN-3
V-IN-2
V-IN-1
V-DIGITAL RF
V-ANALOG RF
BUFFER AMP Q3656
BUFFER AMP Q3657
BUFFER AMP Q3658
BUFFER AMP Q2602
BUFFER AMP Q2603
V-OUT-3B
V-OUT-2B
V-OUT-1B
SC2-OUT-R
SC2-OUT-L
SPEAKER R
SPEAKER L
MUTE
SWITCH Q2604
9V
AC ON-OFF
CN3604
CVBS DIGITAL RF
CVBS/Y MAIN
C-MAIN
CVBS/Y SLAVE
C SLAVE
BLUE 1
GREEN 1
RED 1
BLK 1 FS1
GREEN 2
BLUE 2
BLK 2
RED 2
L-DIGITAL RF
R SPEAKER/HP
L SPEAKER/HP
R-DIGITAL RF
L-ANALOG RF
R-ANALOG RF
AV LINK
SDA
SCL
CVBS/ANALOG RF
TO A BOARD CN3002
J (AV SCART I/O SWITCHING AND SOCKETS)


VG(L)
VS
VG(H)
OCP
F/B
V SENSE
IC6802 DRIVER
Q6802, Q6803
T6800
HV OVERSHOOT PROTECT Q6808, Q6809
SS RESET Q6804, Q6806
DYNAMIC FOCUS T8900
DYNAMIC FOCUS Q8901
DYNAMIC FOCUS Q8900
ABL PROTECT Q6810
HPROT
ABL-COMP
CN6803
TO D BOARD CN8900
PH6800 PHOTOCOUPLER
CN6802
RECT+
RECT-
AC-HOP-VCC
TO G BOARD CN6007
BUFFER Q6801
IC6800
IC6801 PROTECTION IC
CATHODE REF
IC6803 SWITCHING MOSFET
+9V
IC6804 CONTROLLER
DF DRIVE
HV-PROT
EPG MODE
AC MONITOR
NOT USED
CN6801
TO A BOARD CN6900
D2 (SMART MODE, DEFLECTION)

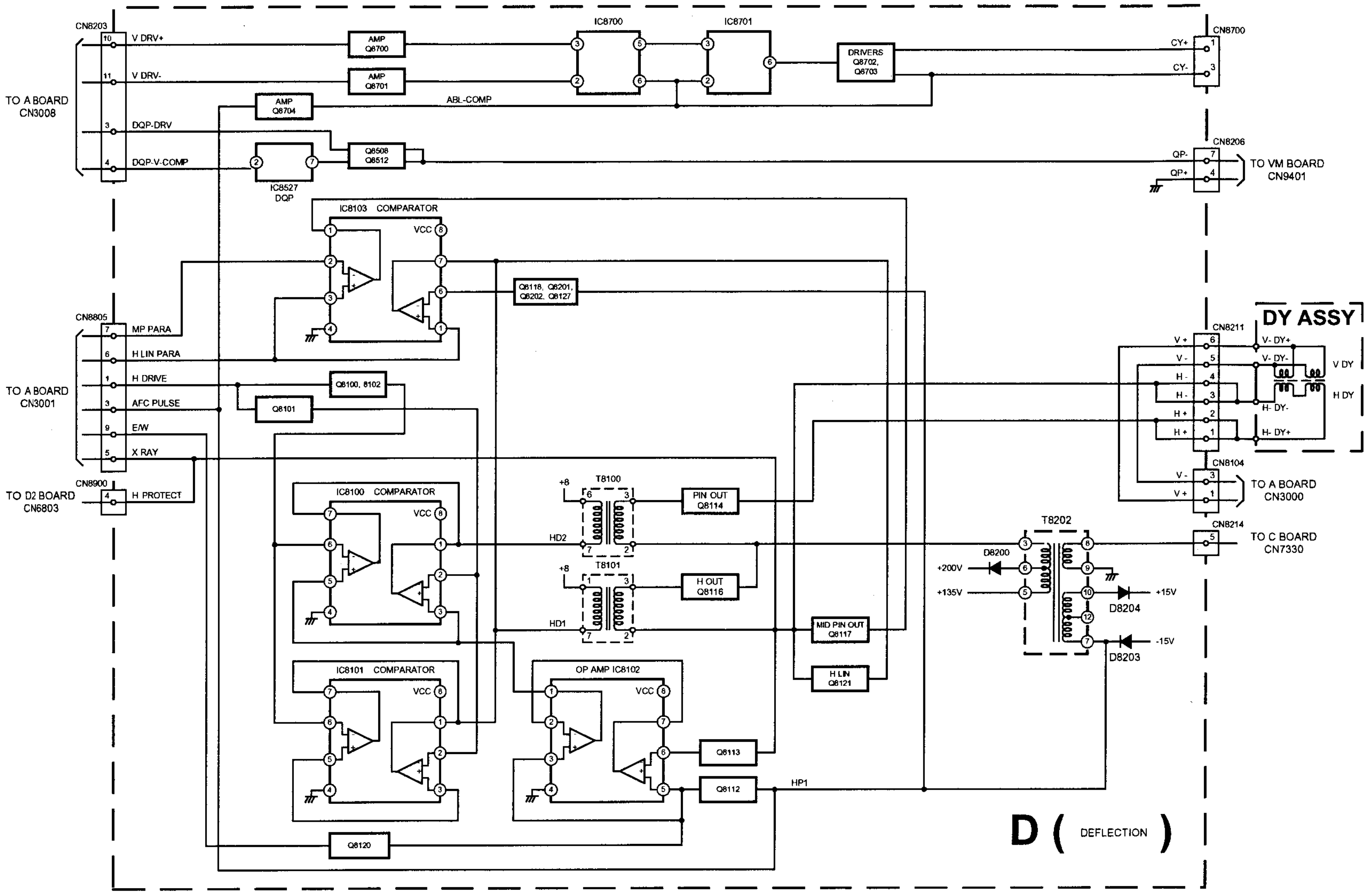

CN7331
TO B BOARD CN3400
R
R REF
G
G REF
B
B REF
IK
BUFFER AMPLIFIER Q7300, Q7301
BUFFER AMPLIFIER Q7310, Q7311
BUFFER AMPLIFIER Q7320, Q7321
BUFFER Q7330
IC7300 VIDEO OUT (RED)
IC7310 VIDEO OUT (GREEN)
IC7320 VIDEO OUT (BLUE)
VIN
VOC
J7330
PICTURE TUBE
HV
TO D2 BOARD HV (T6800)
HEATER
CN7330
TO D BOARD CN8214
RV7330
G2
C (R, G, B OUT)

5-1. BLOCK DIAGRAMS (2)

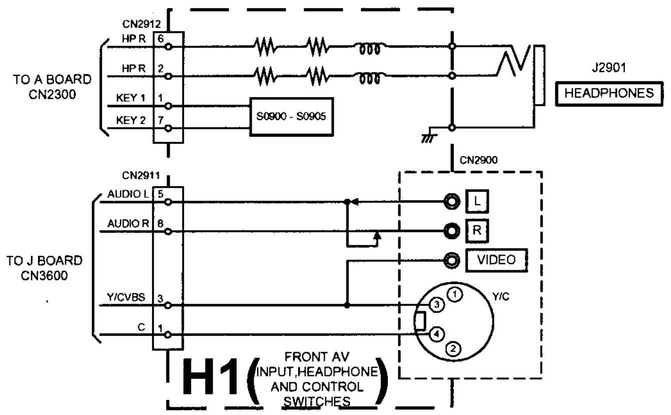

B 1/2 (BACKEND,SCANRATE, LVDS,A_INTERFACE)
CN3100
TO A BOARD CN5207
IC3400 BACKEND VIDEO
IC3300 FRCA
CN3400
TO C BOARD CN7331
CN3402
TO VM BOARD CN9402
LIQUID CRYSTAL DISPLAY CN3401
IC3100 VSP94
IC3801
IC3800
IC3802
BUFFER AMP Q3400, Q3403
BUFFER AMP Q3401, Q3404
BUFFER AMP Q3402, Q3405
BUFFER AMP Q3406, Q3410, Q3409
BUFFER Q5503
BUFFER Q5519
BUFFER Q5500
BUFFER AMP Q5505, Q5507
BUFFER Q5509
BUFFER Q5550
X3400
X3300
X3100
X3800
X3801
BUFFER AMP & SWITCH Q3805, Q3806, Q3816
FILTER FL3801
FILTER FL3800
BUFFER Q3802
BUFFER Q3800
BUFFER Q3803
BUFFER Q3801
SWITCH Q3807
SWITCH Q3808
BUFFER AMP Q3812, Q3814
BUFFER Q3811
+5V
A
B
C


B 2/2 (BACKEND,SCANRATE, LVDS,A_INTERFACE)
IC0001
IC0007
IC0002
IC0003
IC0005 OTP EPROM
CN0004
X0001
BUFFER Q0075
BUFFER Q0003
BUFFER Q0002
BUFFER Q0001
AC MONITOR
+5V
A
B
C

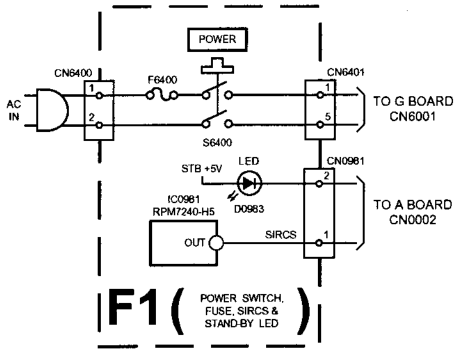
5-1. BLOCK DIAGRAMS (3)



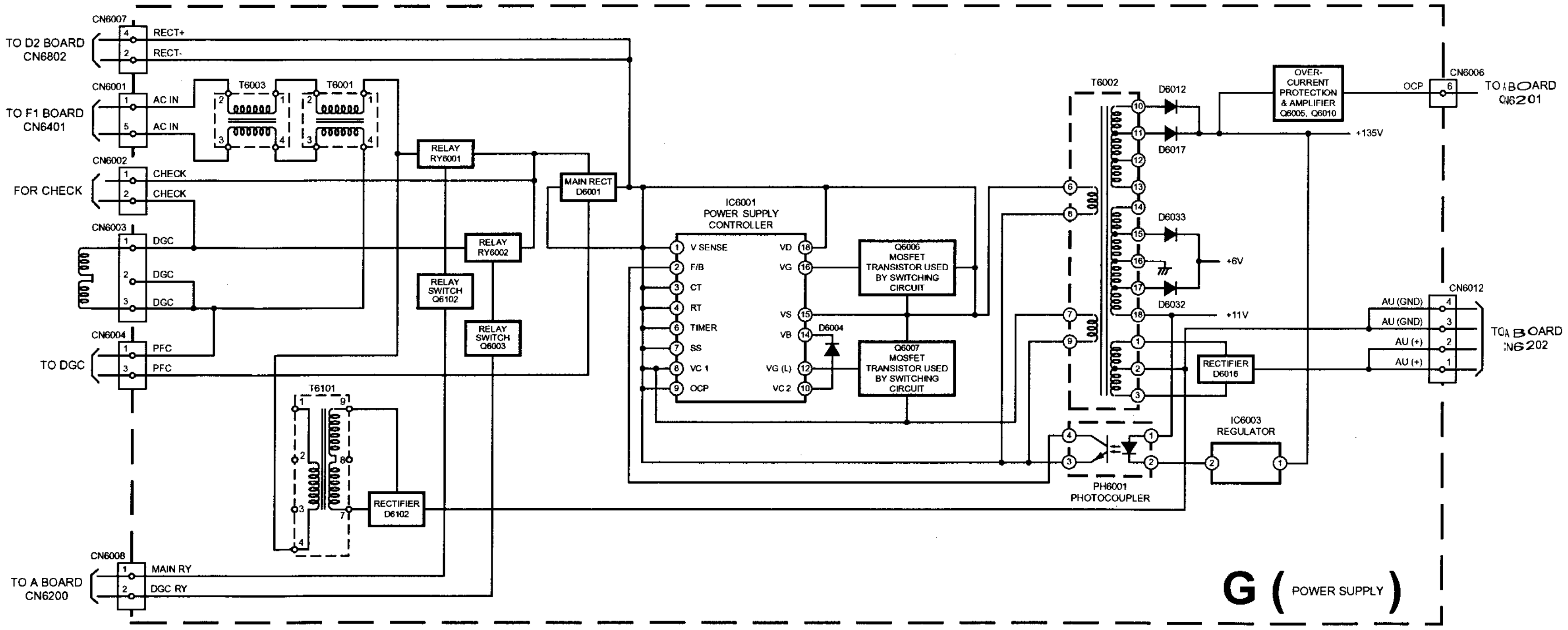
TO A BOARD CN3008
CN8203
V DRV+
V DRV-
DQP-DRV
DQP-V-COMP
AMP Q8700
AMP Q8701
AMP Q8704
ABL-COMP
IC8700
IC8701
DRIVERS Q8702, Q8703
CY+
CY-
CN8700
Q8508 Q8512
IC8527 DQP
QP-
QP+
CN8206
TO VM BOARD CN9401
IC8103 COMPARATOR
VCC
Q8118, Q8201, Q8202, Q8127
TO A BOARD CN3001
CN8805
MP PARA
H LIN PARA
H DRIVE
AFC PULSE
E/W
X RAY
Q8100, 8102
Q8101
TO D2 BOARD CN6803
CN8900
H PROTECT
DY ASSY
CN8211
V+
V-
H-
H+
V- DY+
V- DY-
V DY
H DY
H- DY-
H- DY+
CN8104
TO A BOARD CN3000
CN8214
TO C BOARD CN7330
IC8100 COMPARATOR
T8100
+8
PIN OUT Q8114
HD2
T8101
H OUT Q8116
HD1
T8202
D8200
+200V
+135V
+15V
D8204
-15V
D8203
MID PIN OUT Q8117
H LIN Q8121
IC8101 COMPARATOR
OP AMP IC8102
Q8113
Q8112
HP1
Q8120
D (DEFLECTION)



TO A BOARD CN2300
CN2912
HP R
HP R
KEY 1
KEY 2
S0900 - S0905
J2901
HEADPHONES
CN2900
TO J BOARD CN3600
CN2911
AUDIO L
AUDIO R
Y/CVBS
C
L
R
VIDEO
Y/C
H1 (FRONT AV INPUT,HEADPHONE AND CONTROL SWITCHES)

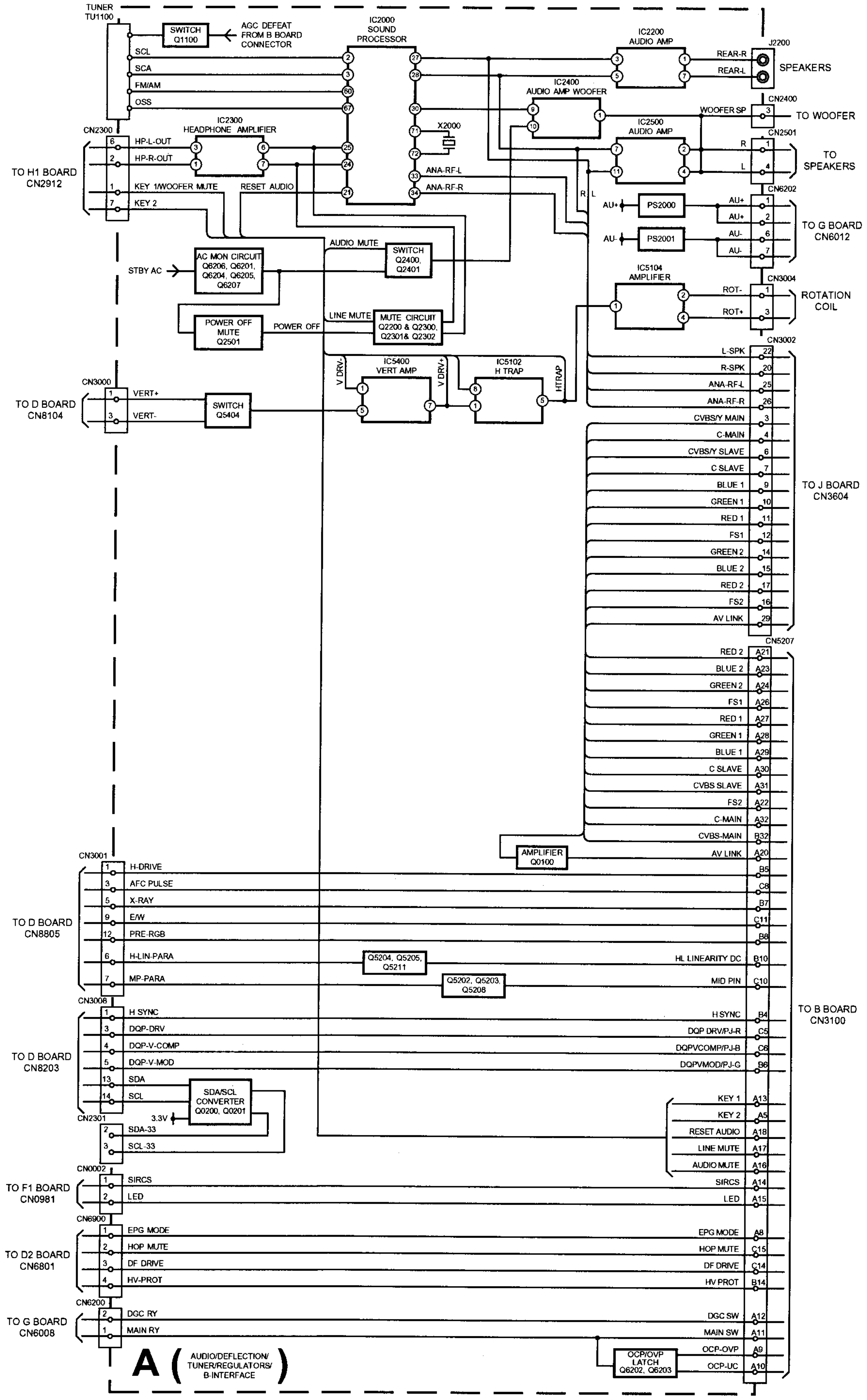


AC IN
CN6400
F6400
POWER
S6400
CN6401
TO G BOARD CN6001
STB +5V
LED
D0983
IC0981 RPM7240-H5
OUT
SIRCS
CN0981
TO A BOARD CN0002
F1 (POWER SWITCH, FUSE, SIRCS & STAND-BY LED)



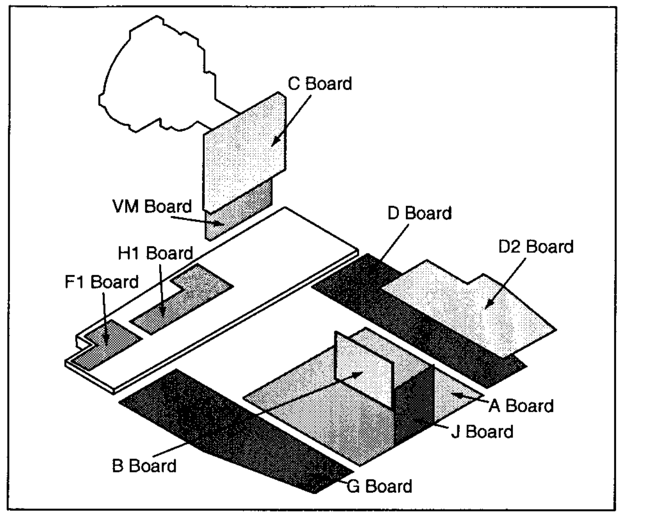
TO D2 BOARD CN6802
CN6007
RECT+
RECT-
TO F1 BOARD CN6401
CN6001
AC IN
AC IN
T6003
T6001
FOR CHECK
CN6002
CHECK
CHECK
RELAY RY6001
MAIN RECT D6001
CN6003
DGC
DGC
DGC
RELAY RY6002
RELAY SWITCH Q6102
RELAY SWITCH Q6003
TO DGC
CN6004
PFC
PFC
T6101
RECTIFIER D6102
TO A BOARD CN6200
CN6008
MAIN RY
DGC RY
IC6001 POWER SUPPLY CONTROLLER
V SENSE
F/B
CT
RT
TIMER
SS
VC 1
OCP
VD
VG
VS
VB
VG (L)
VC 2
D6004
Q6006 MOSFET TRANSISTOR USED BY SWITCHING CIRCUIT
Q6007 MOSFET TRANSISTOR USED BY SWITCHING CIRCUIT
T6002
D6012
D6017
D6033
D6032
+6V
+11V
+135V
OVER-CURRENT PROTECTION & AMPLIFIER Q6005, Q6010
OCP
CN6006
TO A BOARD Q6201
RECTIFIER D6016
CN6012
AU (GND)
AU (GND)
AU (+)
AU (+)
TO A BOARD CN6202
PH6001 PHOTOCOUPLER
IC6003 REGULATOR
G (POWER SUPPLY)

5-1. BLOCK DIAGRAMS (4)



TUNER TU1100
SWITCH Q1100
AGC DEFEAT FROM B BOARD CONNECTOR
IC2000 SOUND PROCESSOR
IC2200 AUDIO AMP
J2200
SPEAKERS
IC2400 AUDIO AMP WOOFER
CN2400
TO WOOFER
IC2500 AUDIO AMP
CN2501
TO SPEAKERS
IC2300 HEADPHONE AMPLIFIER
CN2300
TO H1 BOARD CN2912
HP-L-OUT
HP-R-OUT
KEY 1/WOOFER MUTE
RESET AUDIO
KEY 2
X2000
ANA-RF-L
ANA-RF-R
PS2000
PS2001
CN6202
TO G BOARD CN6012
AUDIO MUTE
SWITCH Q2400, Q2401
STBY AC
AC MON CIRCUIT Q6206, Q6201, Q6204, Q6205, Q6207
IC5104 AMPLIFIER
CN3004
ROTATION COIL
POWER OFF MUTE Q2501
POWER OFF
LINE MUTE
MUTE CIRCUIT Q2200 & Q2300, Q2301& Q2302
CN3002
IC5400 VERT AMP
IC5102 H TRAP
CN3000
TO D BOARD CN8104
VERT+
VERT-
SWITCH Q5404
TO J BOARD CN3604
CN5207
AMPLIFIER Q0100
CN3001
TO D BOARD CN8805
H-DRIVE
AFC PULSE
X-RAY
E/W
PRE-RGB
H-LIN-PARA
MP-PARA
Q5204, Q5205, Q5211
Q5202, Q5203, Q5208
HL LINEARITY DC
MID PIN
TO B BOARD CN3100
CN3008
TO D BOARD CN8203
H SYNC
DQP-DRV
DQP-V-COMP
DQP-V-MOD
SDA
SCL
SDA/SCL CONVERTER Q0200, Q0201
CN2301
SDA-33
SCL-33
CN0002
TO F1 BOARD CN0981
SIRCS
LED
CN6900
TO D2 BOARD CN6801
EPG MODE
HOP MUTE
DF DRIVE
HV-PROT
CN6200
TO G BOARD CN6008
DGC RY
MAIN RY
OCP/OVP LATCH Q6202, Q6203
OCP-OVP
OCP-UC
A (AUDIO/DEFLECTION/ TUNER/REGULATORS/ B-INTERFACE)

5-2. CIRCUIT BOARD LOCATION



C Board
VM Board
D Board
D2 Board
H1 Board
F1 Board
A Board
J Board
B Board
G Board

5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted.
- pF : µµF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.
  k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- ━━ : B + bus.
- ━ ━ ━ : B - bus.
- : RF signal path.
- ⏊ : earth - ground.
- : earth - chassis.

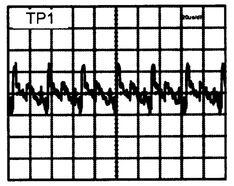
Reference Information

RESISTOR	**RN**	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	**LF-8L**	: MICRO INDUCTOR
CAPACITOR	**TA**	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

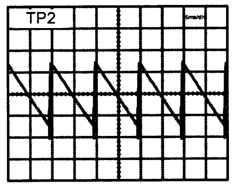
Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

~ A Board Waveforms ~



700 mVp-p (V)



56 Vp-p (V)

~ A Board Location Table (A Side) ~

DIODE		D5405	D - 10	D6211	K - 4	IC2500	H - 3	IC6204	M - 4
D2200	D - 3	D6201	J - 9	D6212	J - 9	IC5102	I - 10	IC6207	J - 10
D2201	E - 3	D6203	L - 5	D6213	L - 8	IC5104	H - 10	IC6209	J - 8
D5103	H - 10	D6204	K - 2	**IC**		IC5400	E - 10	IC6210	K - 4
D5404	E - 11	D6210	L - 4	IC2400	J - 4	IC6202	L - 8	IC6212	L - 3

~ A Board Location Table (B Side) ~

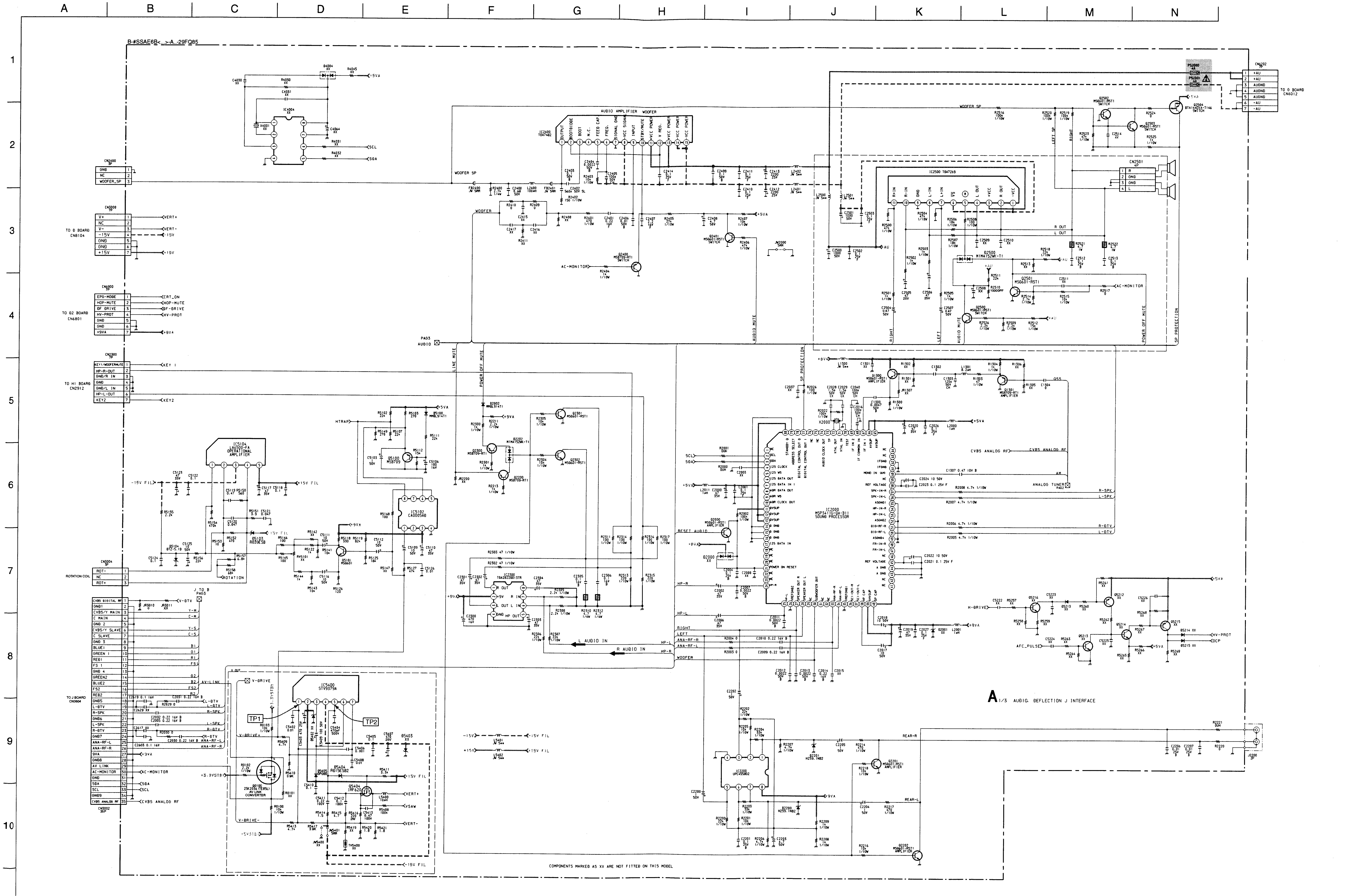
DIODE		D5206	G - 7	D6204	E - 2	IC2200	L - 4	IC6207	F - 9	Q1300	L - 2	Q2401	F - 4	Q5202	H - 4	Q5404	K - 10
D2200	L - 3	D5207	G - 6	D6205	E - 3	IC2300	J - 3	IC6209	F - 9	Q1301	K - 2	Q2500	H - 3	Q5203	H - 4	Q6201	E - 2
D2201	J - 4	D5208	H - 6	D6206	D - 3	IC2400	G - 4	IC6210	F - 4	Q2000	J - 3	Q2501	H - 3	Q5204	G - 7	Q6202	E - 3
D2202	J - 4	D5209	G - 7	D6207	D - 3	IC2500	H - 3	IC6211	E - 5	Q2200	I - 4	Q2502	H - 4	Q5205	F - 6	Q6203	E - 3
D2500	H - 3	D5210	G - 6	D6208	D - 3	IC5102	G - 10	IC6212	E - 4	Q2201	L - 3	Q2503	H - 4	Q5206	H - 7	Q6204	E - 3
D5100	G - 10	D5211	G - 6	D6210	D - 3	IC5104	H - 10	**TRANSISTOR**		Q2202	L - 3	Q2504	H - 4	Q5207	H - 6	Q6205	E - 2
D5104	H - 9	D5404	K - 10	D6213	D - 8	IC5400	K - 10	Q0100	K - 6	Q2300	I - 4	Q5100	G - 10	Q5208	G - 7	Q6206	E - 2
D5200	F - 7	D5405	L - 10	D6214	E - 4	IC6200	E - 5	Q0200	K - 7	Q2301	I - 4	Q5101	F - 10	Q5209	H - 6	Q6207	E - 2
D5202	F - 6	D6201	F - 9	**IC**		IC6202	D - 8	Q0201	K - 7	Q2302	J - 4	Q5200	F - 6	Q5210	G - 6	Q6208	E - 3
D5205	G - 7	D6203	D - 5	IC2000	K - 4	IC6204	E - 4	Q1100	M - 2	Q2400	F - 4	Q5201	F - 6	Q5211	G - 6	Q6209	E - 4

~ A Board Semiconductor Voltage Table ~

Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q1100	0	0	4.5	Q2202	0	0.4	0	Q2500	0.1	0.1	0.6	Q5101	0.8	1.4	6.8	Q5208	0	0	1.5	Q6202	3.4	3.4	0
Q1300	2.7	2.1	8.4	Q2300	0	0	0.7	Q2501	0	0.6	0	Q5200	6.8	6.3	3.0	Q5209	0	0	1.5	Q6203	0	0	3.4
Q1301	2.1	2.1	0	Q2301	0	0.4	0	Q2502	0	0	5.0	Q5201	0	0.4	3.0	Q5210	0	0	1.5	Q6204	3.4	3.4	0
Q2000	0	0	4.7	Q2302	0	0.4	0	Q2503	0	0	5.0	Q5203	0	0.4	3.0	Q5211	0	0	1.5	Q6205	3.5	2.7	3.4
Q2200	0	0	-1.6	Q2400	3.9	3.4	0	Q2504	5.0	5.0	0	Q5205	0	0.4	1.5	Q5404	0	12.1	0	Q6206	1.5	2.0	2.7
Q2201	0	0.4	0	Q2401	0	0	4.7	Q5100	2.4	1.8	0	Q5207	0	0.4	3.0	Q6201	1.5	0.6	3.4	Q6207	0	0	3.4

~ A Board IC Voltage Table ~

IC Voltage Table			IC Voltage Table			IC Voltage Table			IC Voltage Table			IC Voltage Table		
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
IC2200	1	4.5	IC2300	6	0	IC2400	12	-4.0	IC5102	2	0	IC5400	7	0.4
	2	4.5		7	0	IC2500	2	0		5	2.5	IC6202	4	1.3
	3	4.5		8	0.5		5	0.9		6	2.5		5	6.7
	5	4.5	IC2400	1	0		7	0		8	2.2	IC6207	4	1.3
	6	4.5		2	-4.0		8	0	IC5104	1	14.6		5	6.7
	7	4.5		3	10.0		9	0	IC5400	1	0.4	IC6209	4	1.3
IC2300	1	4.0		5	0		10	0		3	-12.3		5	6.7
	3	4.0		6	-13.2		11	0		5	0	IC6212	4	5.1
	5	0.5		10	3.9	IC5102	1	17.1		6	15.7		5	0


A
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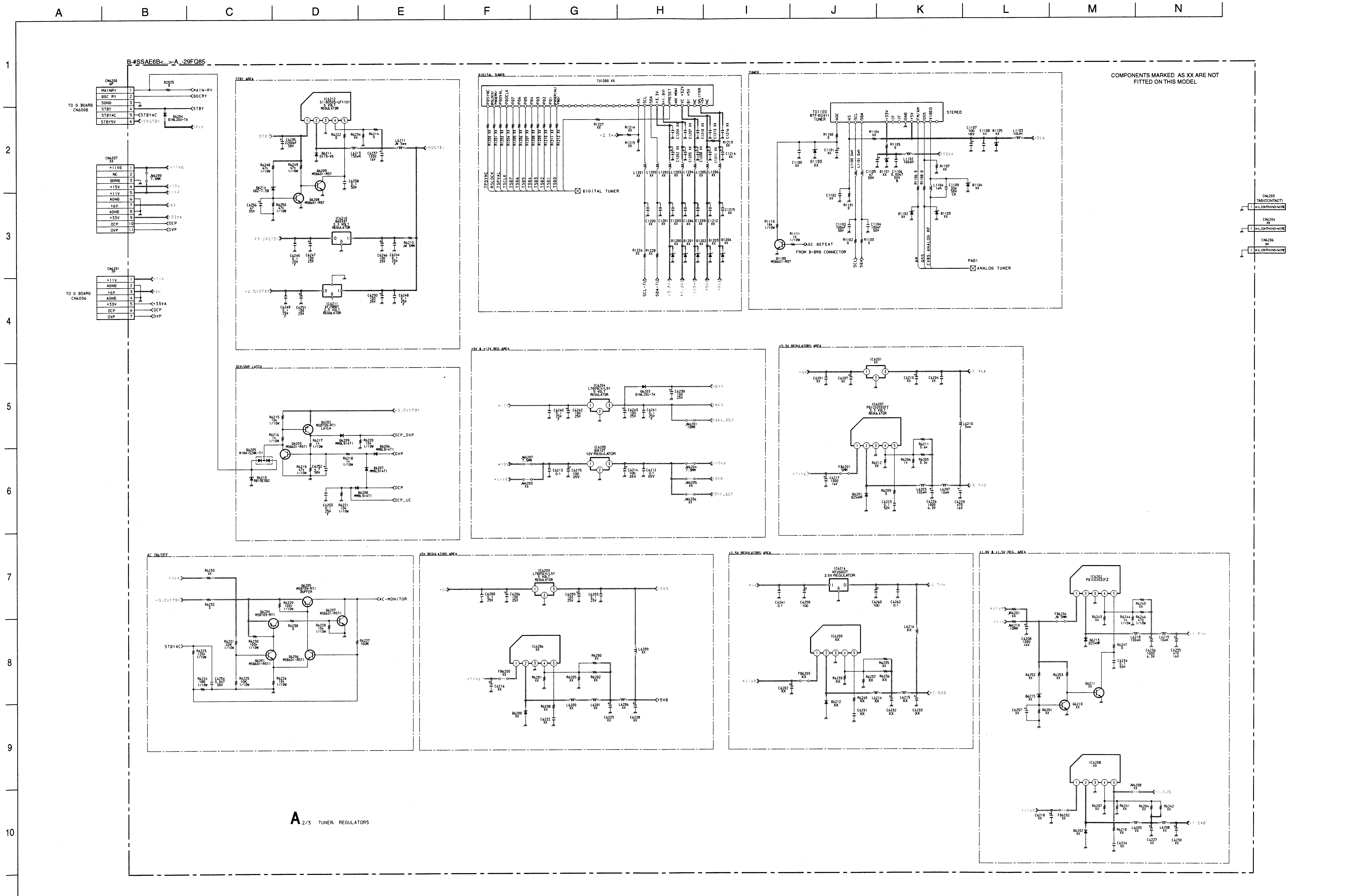
TO D BOARD CN8104
TO D2 BOARD CN6801
TO H1 BOARD CN2912
ROTATION COIL
TO J BOARD CN3604
TO G BOARD CN6012
AUDIO AMPLIFIER WOOFER
IC2500 TDA7269
IC5104 LA6500-FA OPERATIONAL AMPLIFIER
IC2000 MSP3411G-QA-B11 SOUND PROCESSOR
IC5400 STV9379A
TP1
TP2
L AUDIO IN
R AUDIO IN
WOOFER SP
AUDIO MUTE
LINE MUTE
POWER OFF MUTE
SP PROTECTION
CVBS ANALOG RF
ANALOG TUNER
H-DRIVE
AFC_PULSE
HV-PROT
OCP
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
A 1/3 AUDIO, DEFLECTION J INTERFACE

~ A Board Schematic Diagram [Audio, Deflection J Interface] Page 1/3 ~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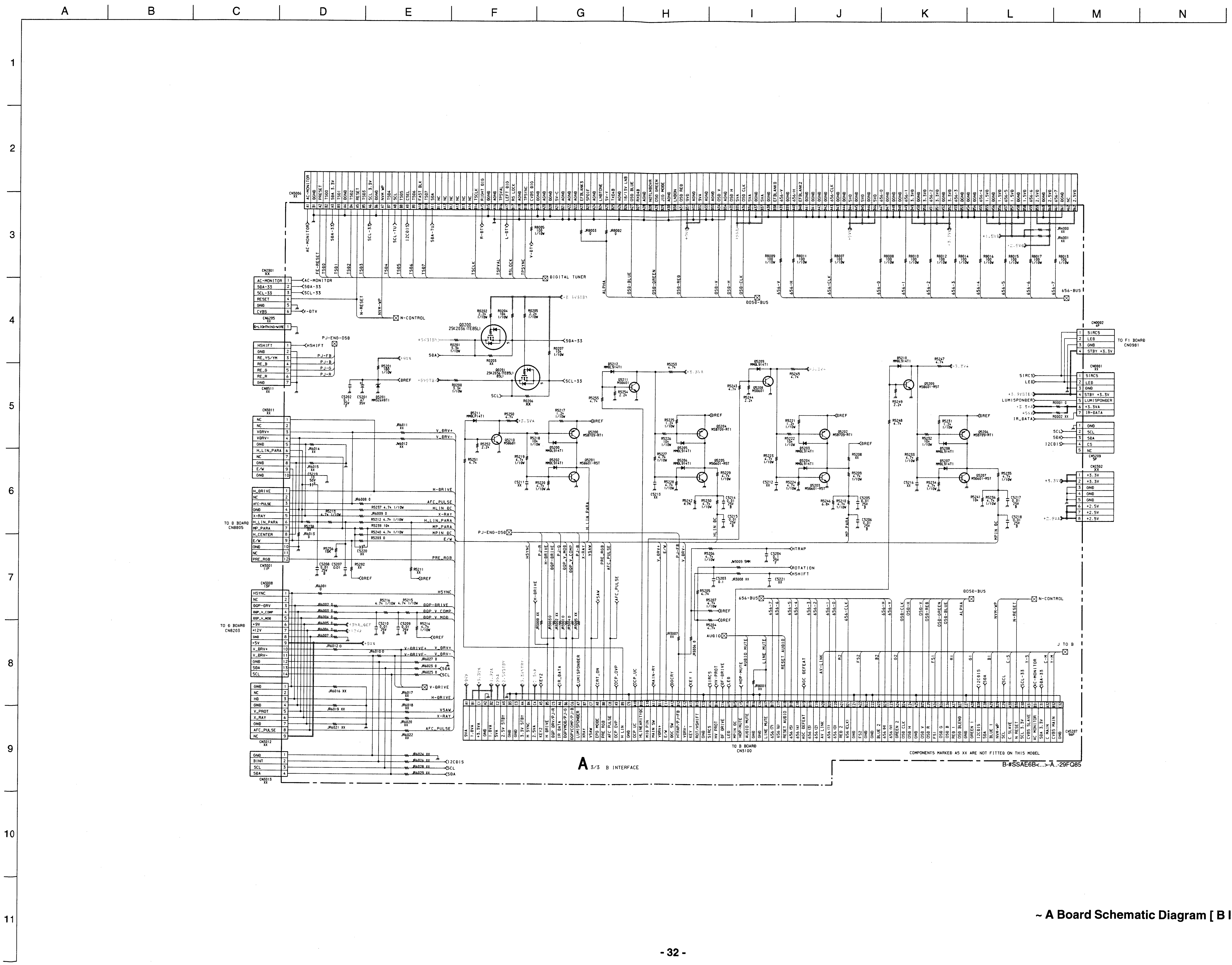
11
B-#SSAE6B<...>-A..-29FQ85
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
TO G BOARD CN6008
TO G BOARD CN6006
STBY AREA
IC6212 SI-80505-LF1101 5 VOLT REGULATOR
IC6210 BA033T 3.3 VOLT REGULATOR
IC6211 KF25BDT 2.5 VOLT REGULATOR
DIGITAL TUNER
TU1200 XX
TUNER
TU1100 BTF-ED411 TUNER
STEREO
AGC DEFEAT
FROM B-BRD CONNECTOR
ANALOG TUNER
OCP/OVP LATCH
+5V & +12V REG AREA
IC6204 L7809CV/2.5Y 9 VOLT REGULATOR
IC6205 BA12T 12V REGULATOR
+3.3V REGULATORS AREA
IC6201
IC6207 PQ1CO33EZ 3.3 VOLT REGULATOR
AC ON/OFF
AC-MONITOR
+5V REGULATORS AREA
IC6200 L7805CV/2.5Y 5 VOLT REGULATOR
IC6206
+2.5V REGULATORS AREA
IC6216 KF25BDT 2.5V REGULATOR
IC6209
+1.8V & +1.5V REG. AREA
IC6202 PQ1CO33EZ
IC6208
CN6203 TAB(CONTACT)
CN6204
CN6206
A 2/3 TUNER REGULATORS

~ A Board Schematic Diagram [Tuner, Regulators] Page 2/3 ~

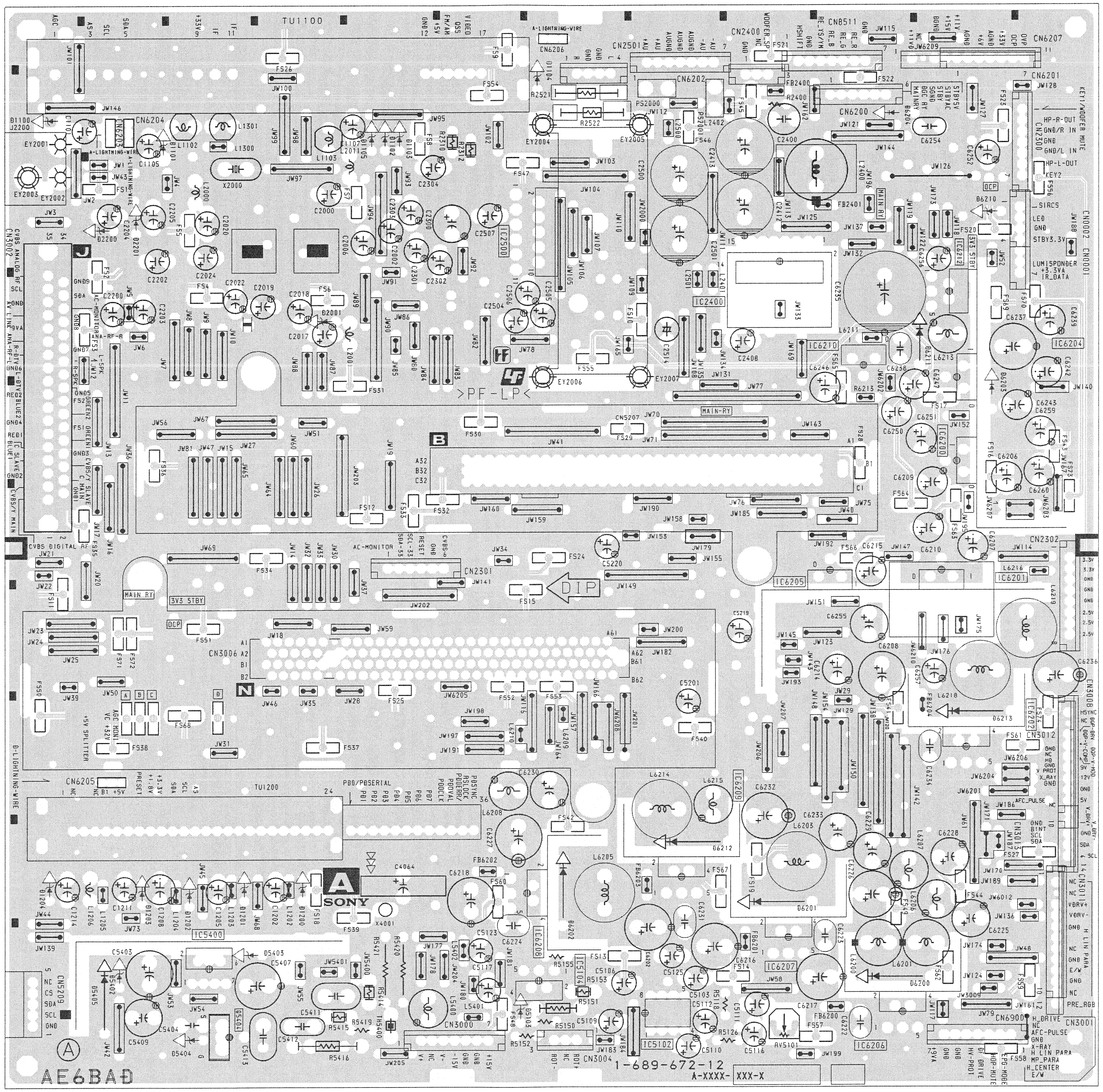

A 3/3 B INTERFACE
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
B-#SSAE6B<...>-A..29FQ85
TO B BOARD CN3100
TO F1 BOARD CN0981
TO B BOARD CN8805
TO G BOARD CN8203
DIGITAL TUNER
N-CONTROL
OSD-BUS
656-BUS
J TO B

~ A Board Schematic Diagram [B Interface] Page 3/3 ~

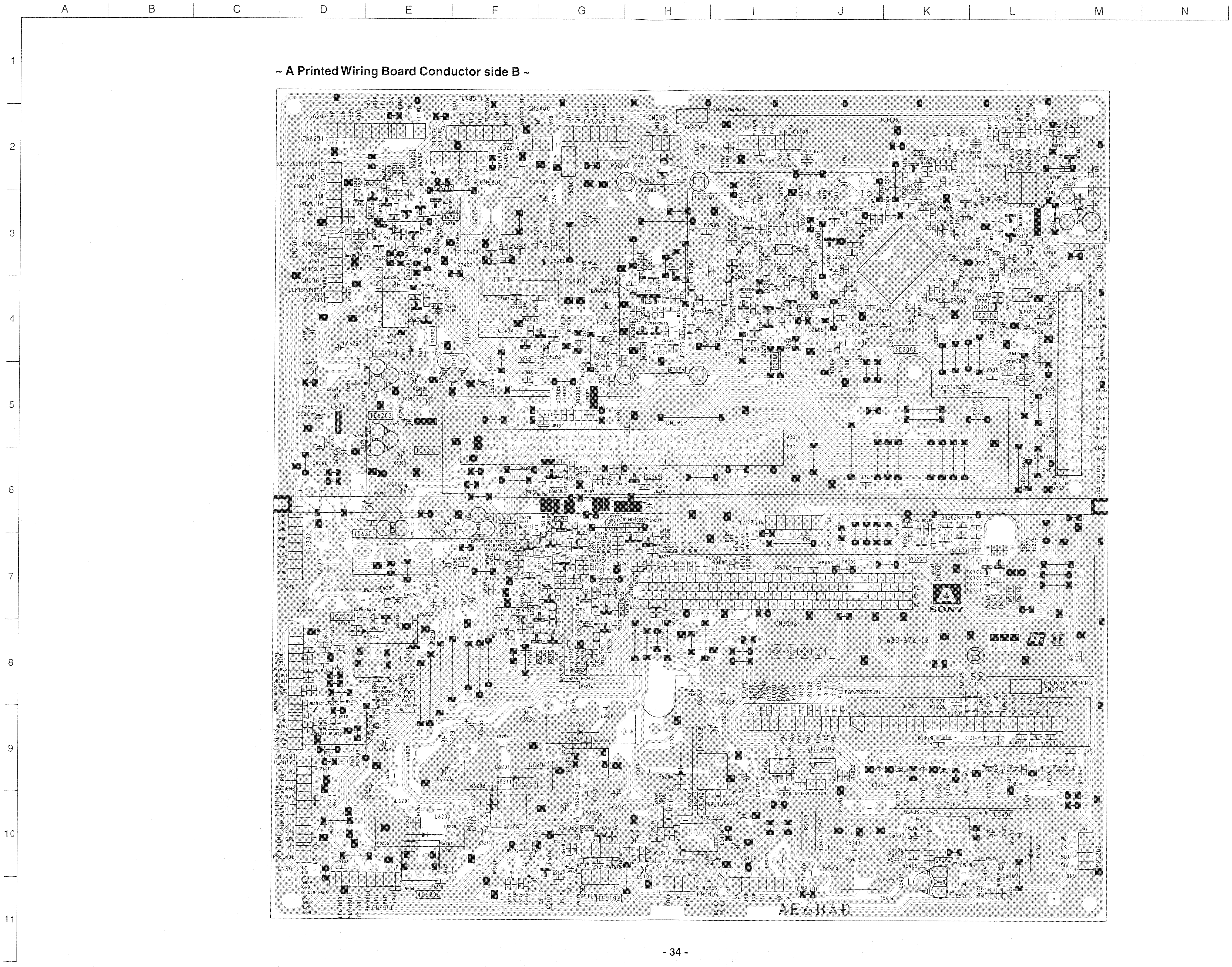
A B C D E F G H I J K L M N

1 2 3 4 5 6 7 8 9 10 11

~ A Printed Wiring Board Conductor side A ~


TU1100
TU1200
CN3006
CN2301
CN6205
CN6207
CN6201
CN2400
CN2501
CN8511
CN5209
CN3000
CN3004
CN6900
CN3001
CN2302
IC2400
IC6210
IC6204
IC6200
IC6205
IC6201
IC5400
IC5102
IC6206
IC6207
IC6208
IC6209
MAIN-RY
3V3 STBY
OCP
>PF-LP<
DIP
B
A
N
J
SONY
AE6BAD
1-689-672-12
A-XXXX- XXX-X

~ A Printed Wiring Board Conductor side B ~


A
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10
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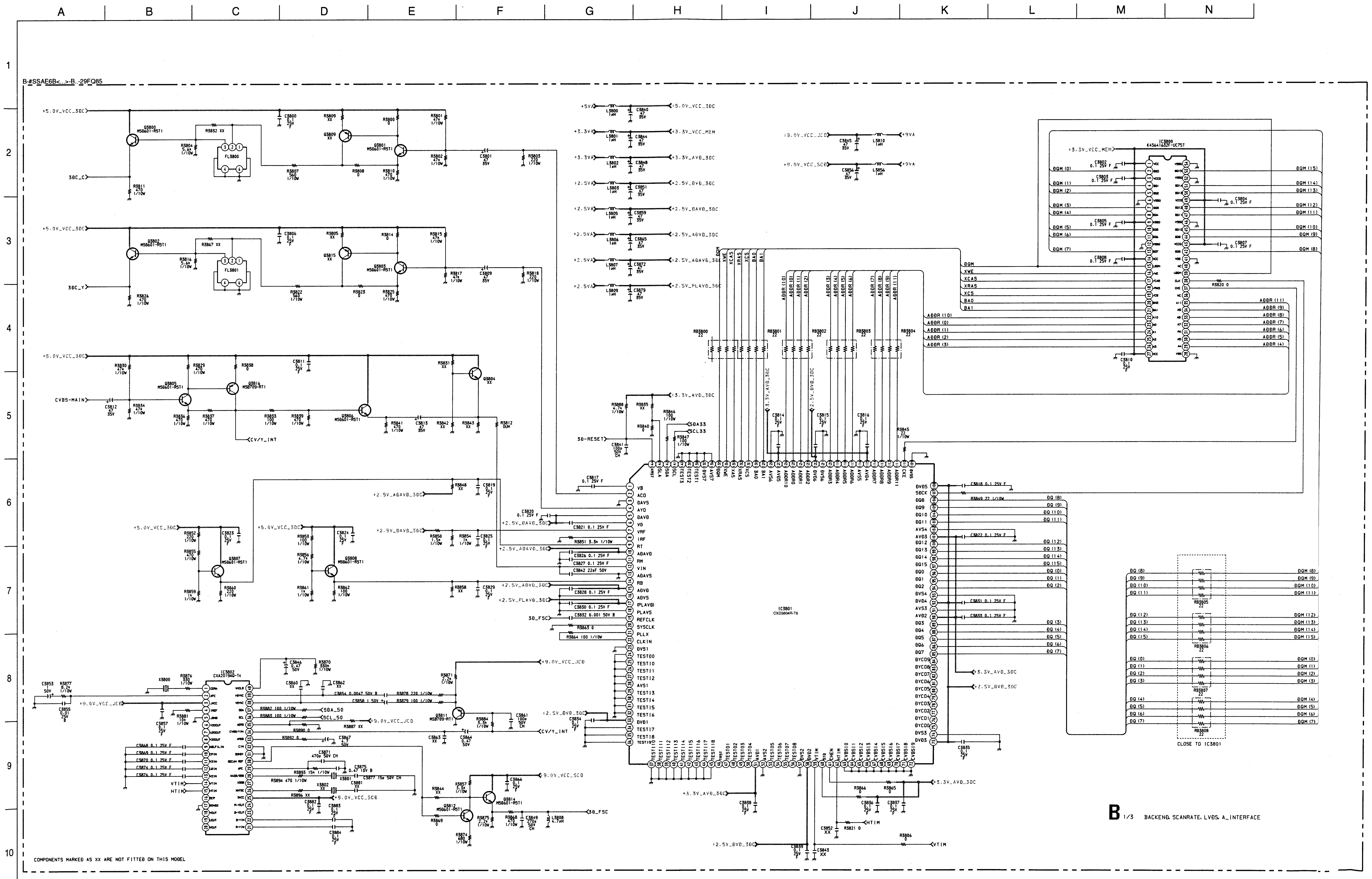
SONY
1-689-672-12
AE6BAD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8
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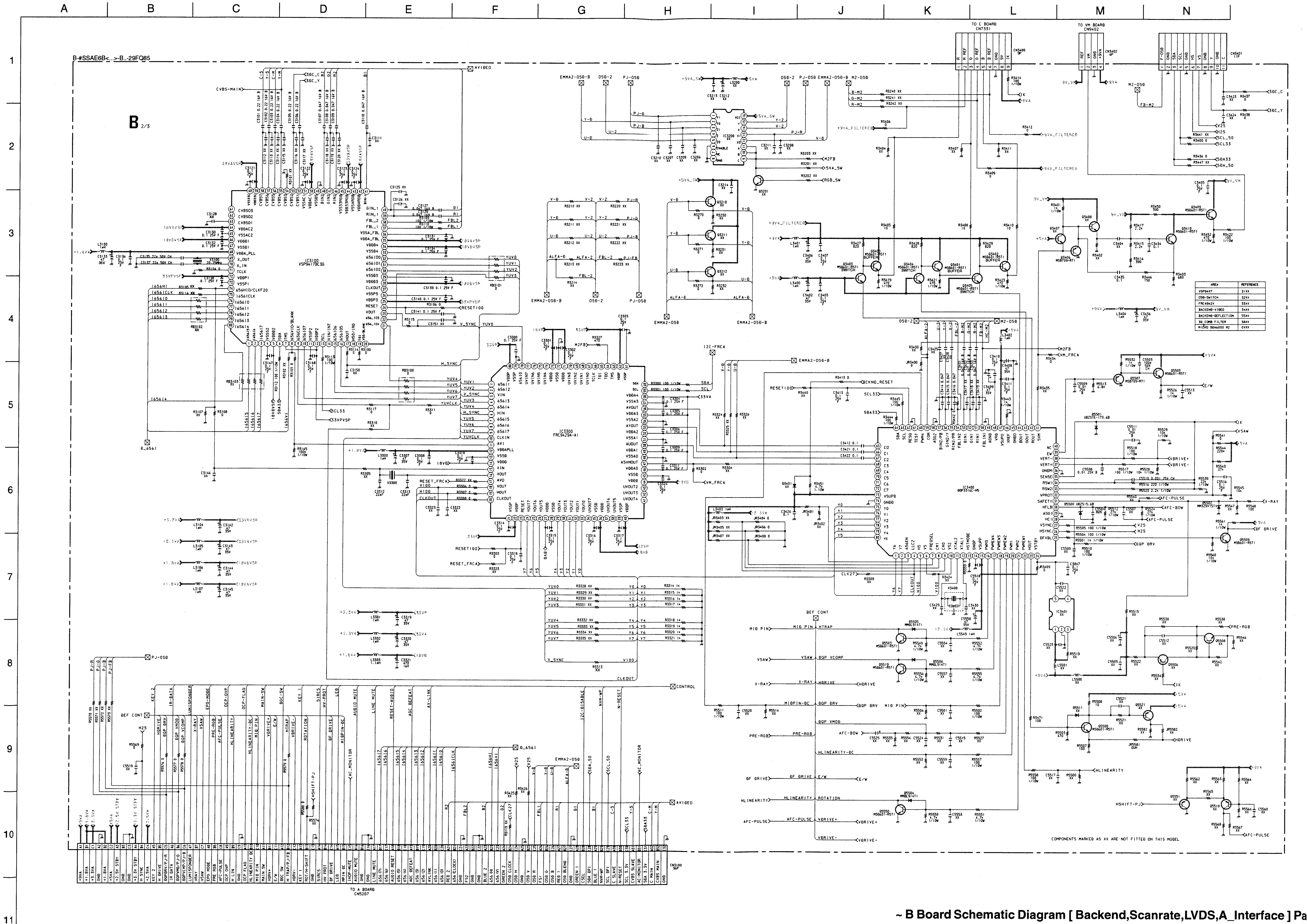
11
B-#SSAE6B<...>-B..29FQ85
+5.0V_VCC_3DC
3DC_C
3DC_Y
CVBS-MAIN
CV/Y_INT
Q3800 M50601-RST1
Q3801 M50601-RST1
Q3802 M50601-RST1
Q3803 M50601-RST1
Q3804
Q3805 M50601-RST1
Q3806 M50601-RST1
Q3807 M50601-RST1
Q3808 M50601-RST1
Q3811 M58709-RT1
Q3812 M50601-RST1
Q3814 M50601-RST1
Q3816 M58709-RT1
FL3800
FL3801
IC3800
K4S641632F-UC75T
+3.3V_VCC_MEM
DQM (0)
DQM (1)
DQM (2)
DQM (3)
DQM (4)
DQM (5)
DQM (6)
DQM (7)
DQM (8)
DQM (9)
DQM (10)
DQM (11)
DQM (12)
DQM (13)
DQM (14)
DQM (15)
ADDR (11)
ADDR (9)
ADDR (8)
ADDR (7)
ADDR (6)
ADDR (5)
ADDR (4)
ADDR (10)
ADDR (0)
ADDR (1)
ADDR (2)
ADDR (3)
R3820 0
C3802 0.1 25V F
C3803 0.1 25V F
C3804 0.1 25V F
C3805 0.1 25V F
C3807 0.1 25V F
C3808 0.1 25V F
C3810 0.1 25V F
DQM
XWE
XCAS
XRAS
XCS
BA0
BA1
RB3800 22
RB3801 22
RB3802 22
RB3803 22
RB3804 22
+3.3V_AVD_3DC
+2.5V_DVD_3DC
+5.0V_VCC_3DC
+3.3V_VCC_MEM
+3.3V_AVD_3DC
+2.5V_DVD_3DC
+2.5V_DAVD_3DC
+2.5V_ADVD_3DC
+2.5V_ADAVD_3DC
+2.5V_PLAVD_3DC
+9.0V_VCC_JCD
+9.0V_VCC_SCD
+9VA
3D-RESET
SDA33
SCL33
IC3801
CXD3804R-T6
3D_FSC
DQ (0)
DQ (1)
DQ (2)
DQ (3)
DQ (4)
DQ (5)
DQ (6)
DQ (7)
DQ (8)
DQ (9)
DQ (10)
DQ (11)
DQ (12)
DQ (13)
DQ (14)
DQ (15)
RB3805 22
RB3806 22
RB3807 22
RB3808 22
CLOSE TO IC3801
IC3802
CXA2019AQ-T4
X3800
X3801
X3802 XX
SDA_50
SCL_50
VTIM
HTIM
+9.0V_VCC_SCD
B 1/3 BACKEND, SCANRATE, LVDS, A_INTERFACE
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ B Board Schematic Diagram [Backend,Scanrate,LVDS,A_Interface] Page 1/3 ~



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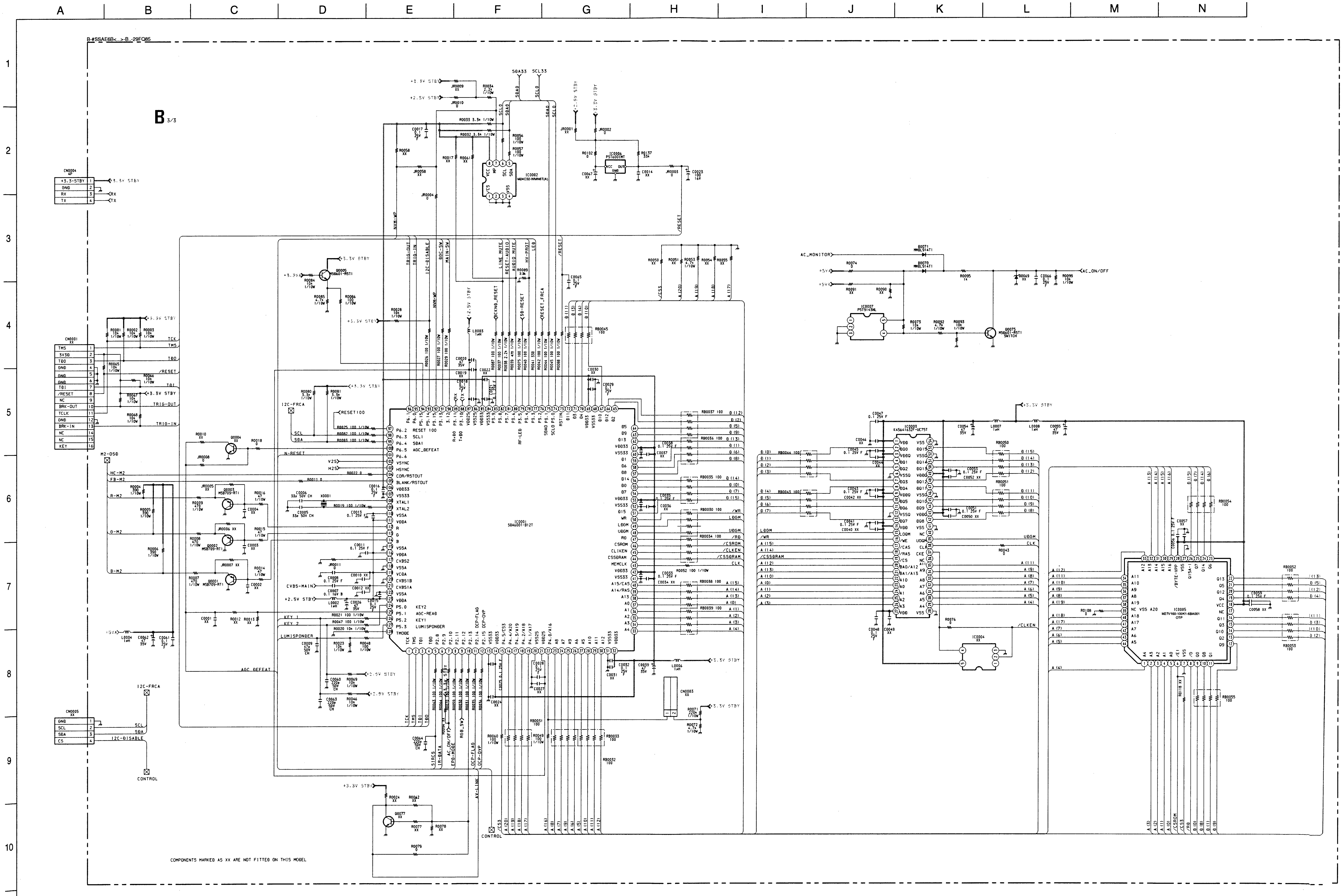
8
9
10
11
B-#SSAE6B<...>-B..-29FQ85
B 2/3
IC3100
VSP9417BC3G
IC3300
FRC9429A-A1
IC3400
SDP3314C-HS
IC3200
IC3401
TO C BOARD
CN7331
TO VM BOARD
CN9402
CN3400
CN3402
CN3401
AVIDEO
PJ-OSD
CONTROL
EMMA2-OSD-B
OSD-2
PJ-OSD
EMMA2-OSD
M2-OSD
I2C-FRCA
B_6561
DEF CONT
TO A BOARD
CN5207
CN5100

AREA	REFERENCE
VSP94X7	31XX
OSD-SWITCH	32XX
FRCA942X	33XX
BACKEND-VIDEO	34XX
BACKEND-DEFLECTION	55XX
3D COMB FILTER	38XX
MICRO SDA6000 M2	0XXX

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ B Board Schematic Diagram [Backend,Scanrate,LVDS,A_Interface] Page 2/3 ~



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11
B 3/3
CN0004
CN0001
CN0005
IC0001 SDA6001-B12T
IC0002 M24C32-WMN6T(A)
IC0003 K4S641632F-UC75T
IC0004
IC0005 M27V160-100K1-6BA001 OTP
IC0006
IC0007 PST9143NL
CN0003
AC_MONITOR
AC_ON/OFF
+3.3V STBY
+2.5V STBY
I2C-FRCA
CONTROL
M2-OSD

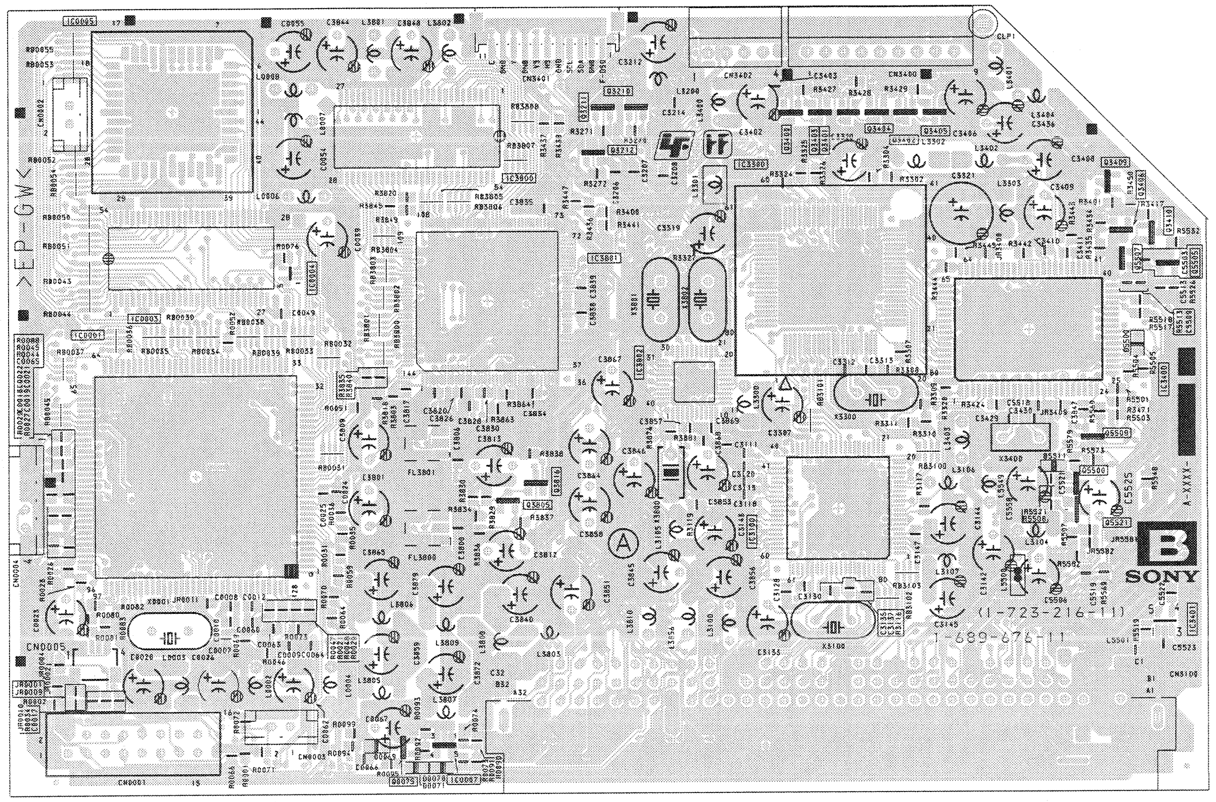
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ B Board Schematic Diagram [Backend,Scanrate,LVDS,A_Interface]Page 3/3 ~

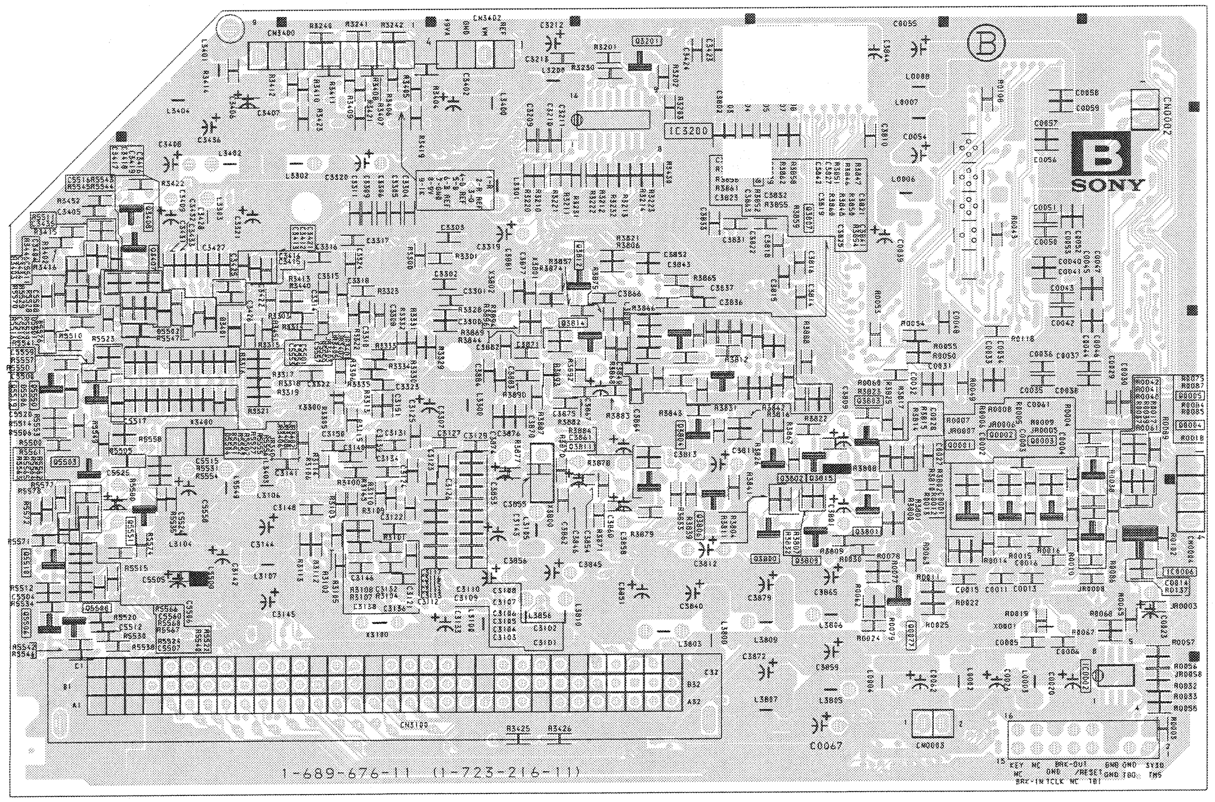
A B C D E F G H I J K L M N

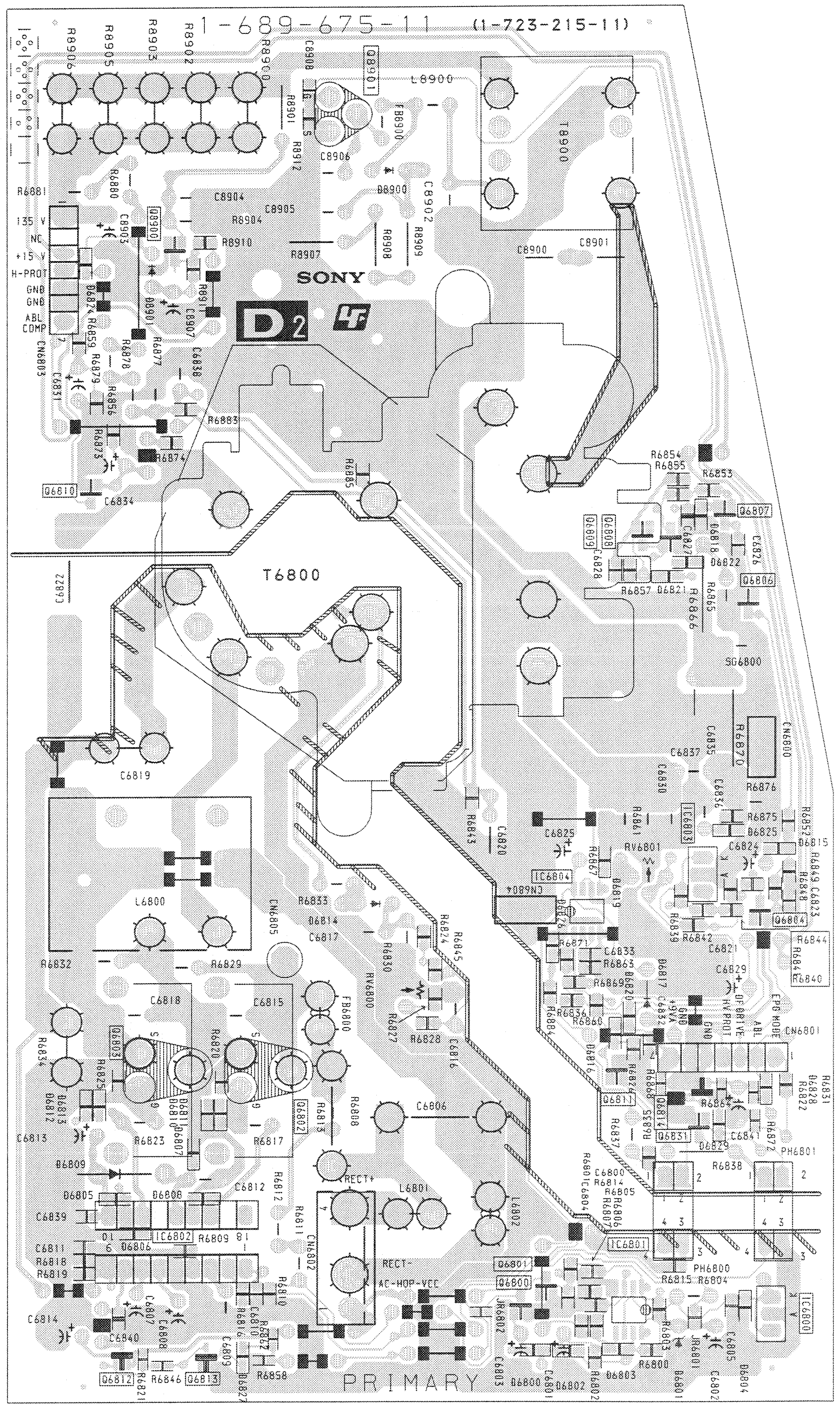
1 2 3 4 5 6 7 8 9 10 11

~ B Printed Wiring Board Conductor side A ~

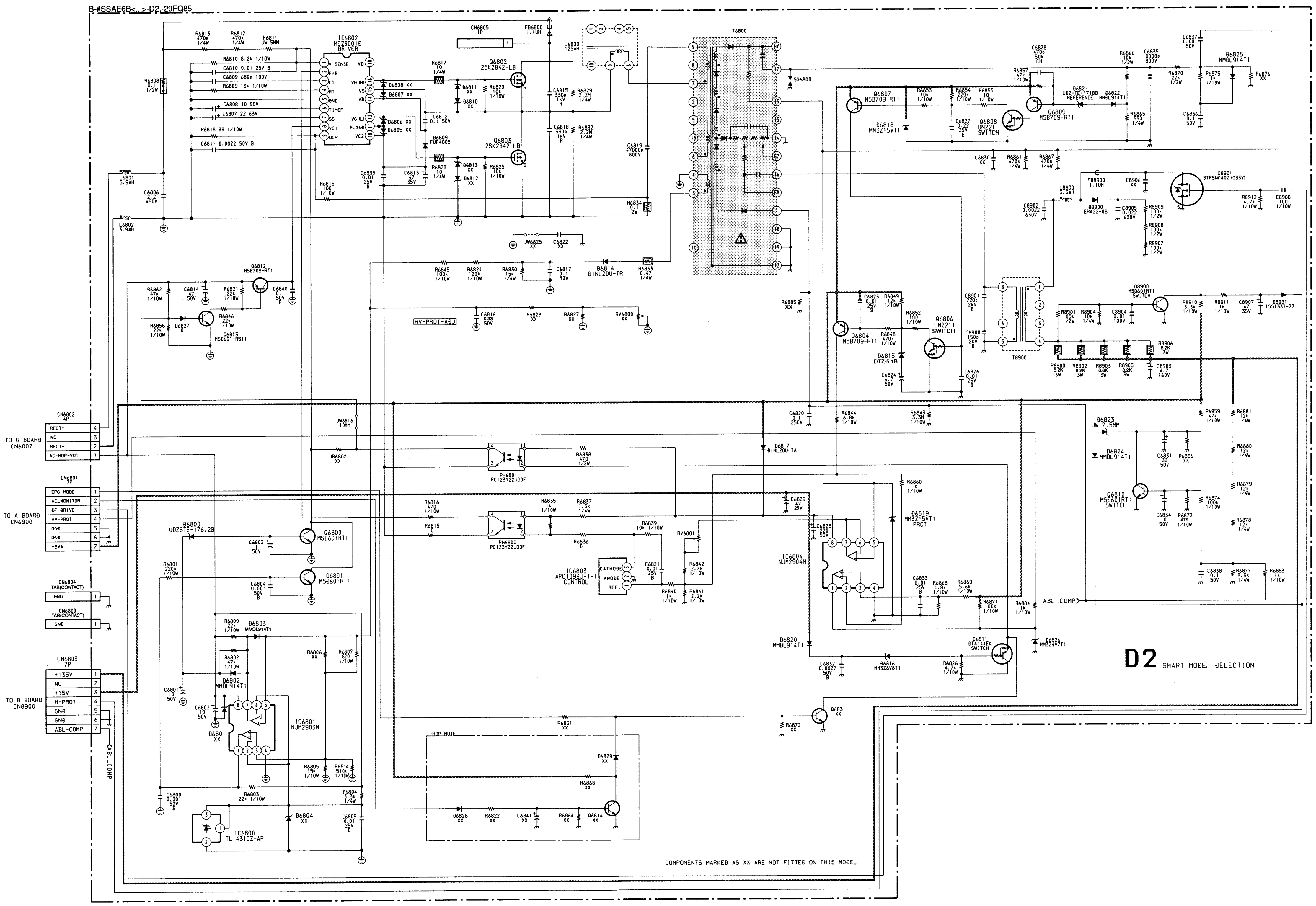

B
SONY
1-689-676-11
(1-723-216-11)
EP-GW

~ B Printed Wiring Board Conductor side B ~


B
SONY
1-689-676-11 (1-723-216-11)


1-689-675-11 (1-723-215-11)
SONY
D2
T6800
L6800
PRIMARY

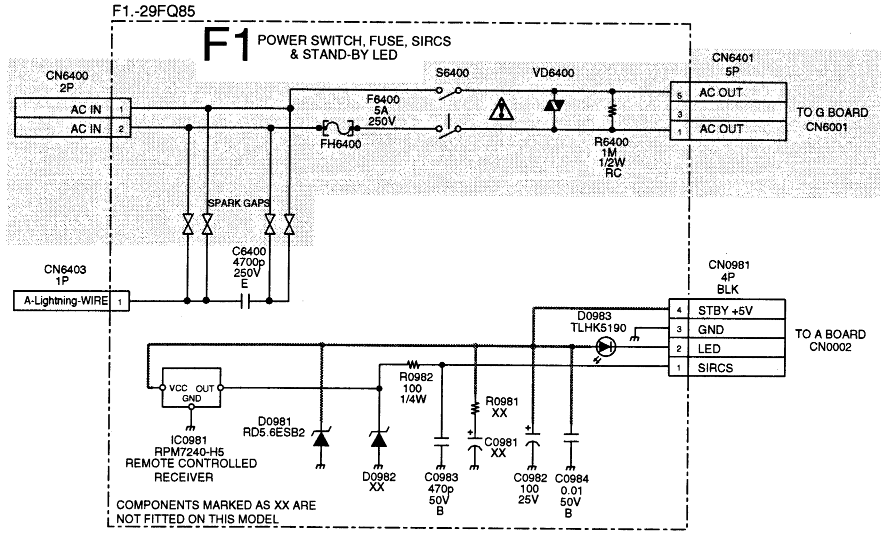
~ D2 Printed Wiring Board Conductor side ~


B-#SSAE6B<...>-D2-29FQ85
IC6802 DRIVER
Q6802 2SK2842-LB
Q6803 2SK2842-LB
CN6805 1P
T6800
Q6807 MSB709-RT1
Q6809 MSB709-RT1
Q6808 UN2211 SWITCH
Q6825 MMDL914T1
Q8901 STP5NK40Z
T8900
Q8900 MSB601RT1 SWITCH
Q6804 MSB709-RT1
Q6806 UN2211 SWITCH
D6815 DTZ-5.1B
HV-PROT-ADJ
CN6802 4P
RECT+
NC
RECT-
AC-HOP-VCC
TO G BOARD CN6007
CN6801 7P
EPG-MODE
AC_MONITOR
DF DRIVE
HV-PROT
GND
GND
+9VA
TO A BOARD CN6900
CN6804 TAB(CONTACT)
GND
CN6800 TAB(CONTACT)
GND
CN6803 7P
+135V
NC
+15V
H-PROT
GND
GND
ABL-COMP
TO D BOARD CN8900
ABL_COMP
PH6801 PC123Y22J00F
PH6800 PC123Y22J00F
IC6803 CONTROL
CATHODE
ANODE
REF
IC6804 NJM2904M
Q6819 PROT
Q6810 MSB601RT1 SWITCH
Q6811 SWITCH
Q6800 MSB601RT1
Q6801 MSB601RT1
IC6801 NJM2903M
IC6800 TL1431CZ-AP
H-HOP MUTE
D2 SMART MODE. DELECTION

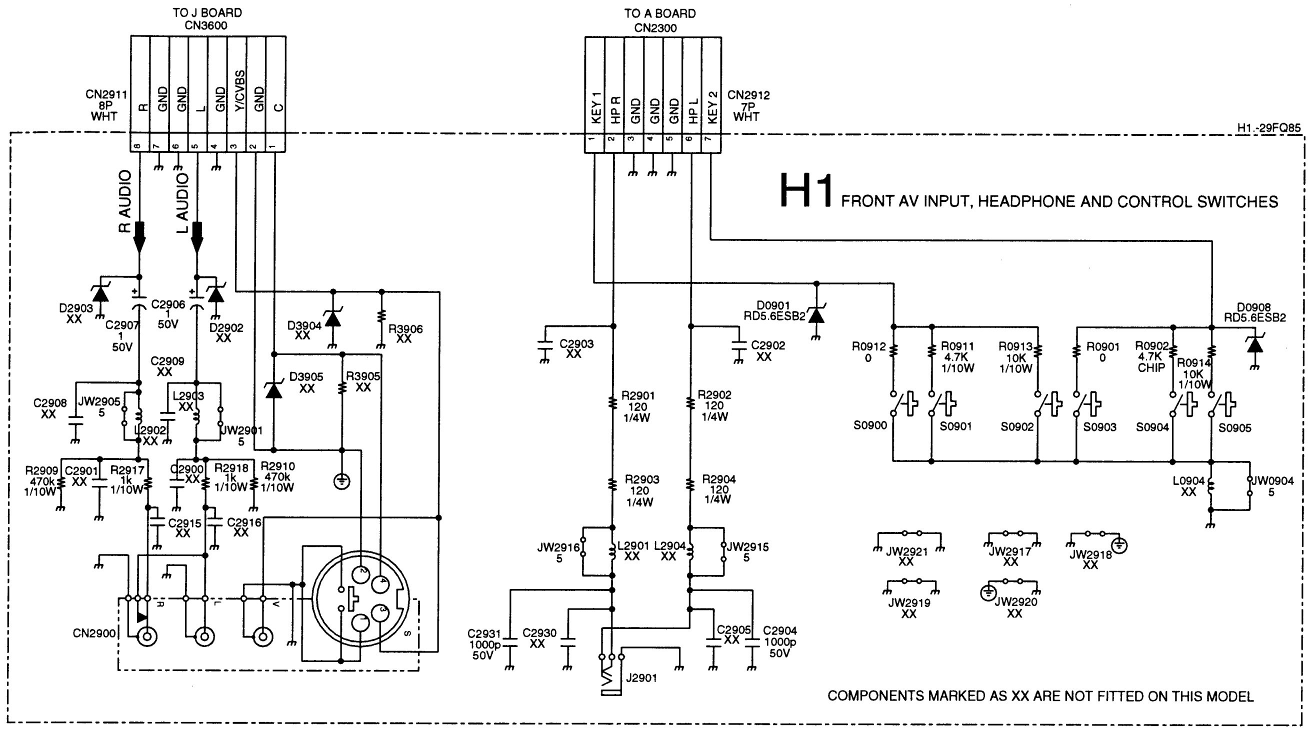
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ D2 Board Schematic Diagram [Smart Mode Deflection] ~

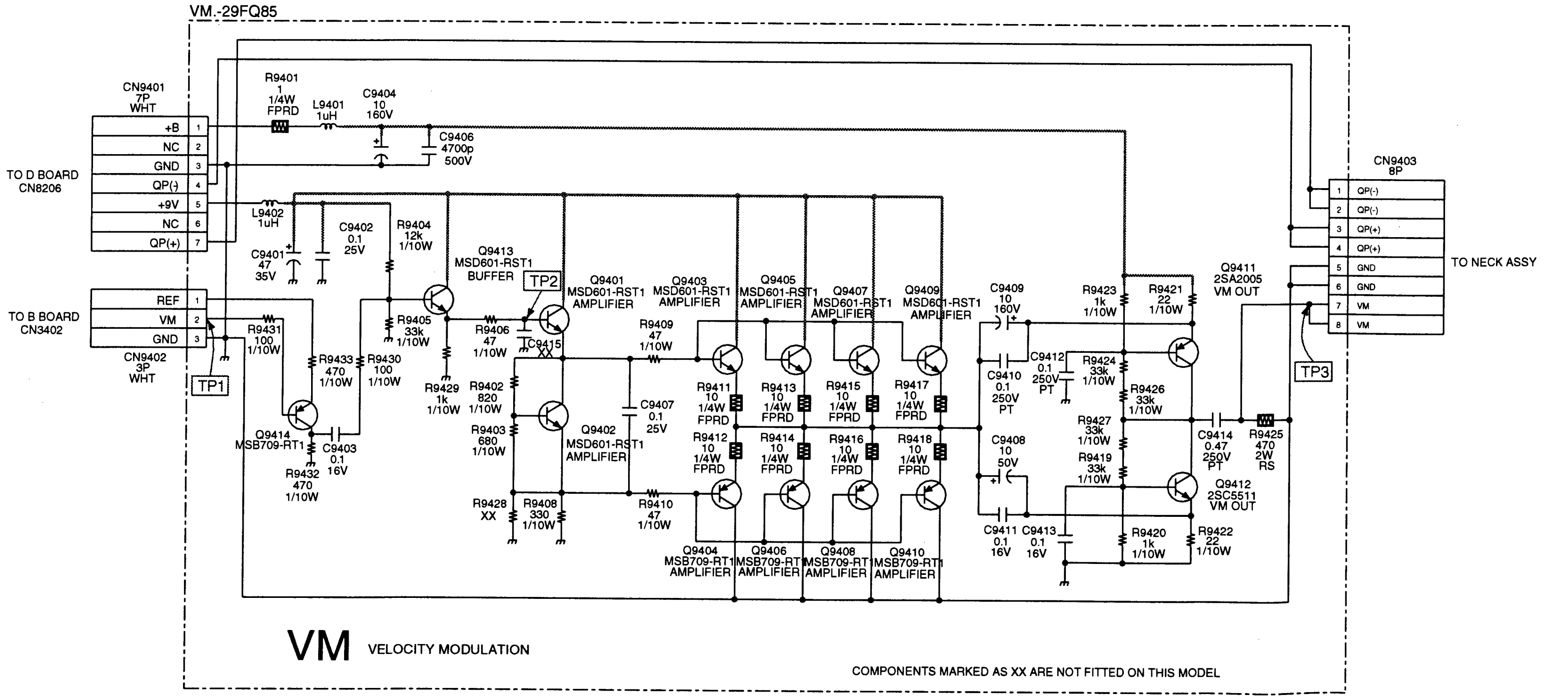
~ F1 Board Schematic Diagram [Power Switch, Fuse, SIRCS and Stand-By LED] ~


F1.-29FQ85
F1 POWER SWITCH, FUSE, SIRCS & STAND-BY LED
CN6400 2P
AC IN
AC IN
S6400
VD6400
F6400 5A 250V
FH6400
R6400 1M 1/2W RC
CN6401 5P
AC OUT
AC OUT
TO G BOARD CN6001
SPARK GAPS
C6400 4700p 250V E
CN6403 1P
A-Lightning-WIRE
CN0981 4P BLK
STBY +5V
GND
LED
SIRCS
TO A BOARD CN0002
D0983 TLHK5190
R0982 100 1/4W
R0981 XX
C0981 XX
VCC OUT GND
IC0981 RPM7240-H5 REMOTE CONTROLLED RECEIVER
D0981 RD5.6ESB2
D0982 XX
C0983 470p 50V B
C0982 100 25V
C0984 0.01 50V B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ H1 Board Schematic Diagram [Front AV Input, Headphone and Control Switches] ~


TO J BOARD CN3600
TO A BOARD CN2300
CN2911 8P WHT
R
GND
GND
L
GND
Y/CVBS
GND
C
CN2912 7P WHT
KEY 1
HP R
GND
GND
GND
HP L
KEY 2
H1-29FQ85
H1 FRONT AV INPUT, HEADPHONE AND CONTROL SWITCHES
R AUDIO
L AUDIO
D2903 XX
C2907 1 50V
C2906 1 50V
D2902 XX
D3904 XX
R3906 XX
C2903 XX
C2902 XX
D0901 RD5.6ESB2
D0908 RD5.6ESB2
R0912 0
R0911 4.7K 1/10W
R0913 10K 1/10W
R0901 0
R0902 4.7K CHIP
R0914 10K 1/10W
S0900
S0901
S0902
S0903
S0904
S0905
C2909 XX
D3905 XX
R3905 XX
C2908 XX
JW2905 5
L2903 XX
L2902 XX
JW2901 5
R2909 470k 1/10W
C2901 XX
R2917 1k 1/10W
C2900 XX
R2918 1k 1/10W
R2910 470k 1/10W
C2915 XX
C2916 XX
CN2900
R2901 120 1/4W
R2902 120 1/4W
R2903 120 1/4W
R2904 120 1/4W
JW2916 5
L2901 XX
L2904 XX
JW2915 5
L0904 XX
JW0904 5
JW2921 XX
JW2917 XX
JW2918 XX
JW2919 XX
JW2920 XX
C2931 1000p 50V
C2930 XX
C2905 XX
C2904 1000p 50V
J2901
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

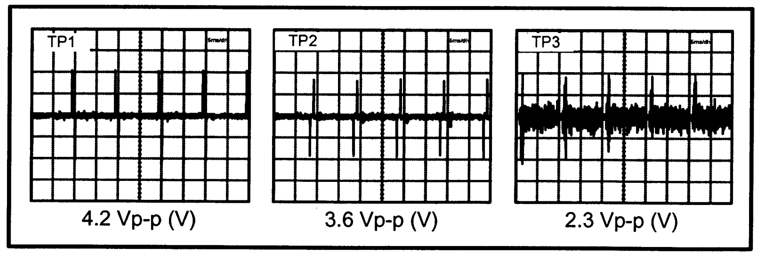
~ VM Board Schematic Diagram [Velocity Modulation] ~


VM.-29FQ85
CN9401 7P WHT
+B
NC
GND
QP(-)
+9V
NC
QP(+)
TO D BOARD CN8206
TO B BOARD CN3402
CN9402 3P WHT
REF
VM
GND
TP1
R9401 1 1/4W FPRD
L9401 1uH
C9404 10 160V
C9406 4700p 500V
L9402 1uH
C9401 47 35V
C9402 0.1 25V
R9404 12k 1/10W
Q9413 MSD601-RST1 BUFFER
TP2
R9431 100 1/10W
R9433 470 1/10W
R9430 100 1/10W
R9405 33k 1/10W
R9406 47 1/10W
C9415 XX
R9429 1k 1/10W
R9402 820 1/10W
R9403 680 1/10W
Q9414 MSB709-RT1
C9403 0.1 16V
R9432 470 1/10W
Q9401 MSD601-RST1 AMPLIFIER
Q9402 MSD601-RST1 AMPLIFIER
Q9403 MSD601-RST1 AMPLIFIER
Q9405 MSD601-RST1 AMPLIFIER
Q9407 MSD601-RST1 AMPLIFIER
Q9409 MSD601-RST1 AMPLIFIER
R9409 47 1/10W
C9407 0.1 25V
R9428 XX
R9408 330 1/10W
R9410 47 1/10W
R9411 10 1/4W FPRD
R9412 10 1/4W FPRD
R9413 10 1/4W FPRD
R9414 10 1/4W FPRD
R9415 10 1/4W FPRD
R9416 10 1/4W FPRD
R9417 10 1/4W FPRD
R9418 10 1/4W FPRD
Q9404 MSB709-RT1 AMPLIFIER
Q9406 MSB709-RT1 AMPLIFIER
Q9408 MSB709-RT1 AMPLIFIER
Q9410 MSB709-RT1 AMPLIFIER
C9409 10 160V
C9410 0.1 250V PT
C9412 0.1 250V PT
C9408 10 50V
C9411 0.1 16V
C9413 0.1 16V
R9423 1k 1/10W
R9424 33k 1/10W
R9427 33k 1/10W
R9419 33k 1/10W
R9420 1k 1/10W
R9421 22 1/10W
R9426 33k 1/10W
R9422 22 1/10W
Q9411 2SA2005 VM OUT
Q9412 2SC5511 VM OUT
C9414 0.47 250V PT
R9425 470 2W RS
TP3
CN9403 8P
QP(-)
QP(-)
QP(+)
QP(+)
GND
GND
VM
VM
TO NECK ASSY
VM VELOCITY MODULATION
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ VM Board Voltage Table ~

Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q9401	5.1	5.7	8.9	Q9408	4.3	3.6	0
Q9402	3.4	4.3	5.1	Q9409	4.4	5.1	8.9
Q9403	4.4	5.1	8.9	Q9410	4.3	3.6	0
Q9404	4.3	3.6	0	Q9411	4.3	3.6	0
Q9405	4.4	5.1	8.9	Q9412	135.1	1.4.6	70.5
Q9406	4.3	3.6	0	Q9413	0.3	0.9	70.5
Q9407	4.4	5.1	8.9	Q9413	6.6	5.9	2.4

~ VM Board Waveforms ~



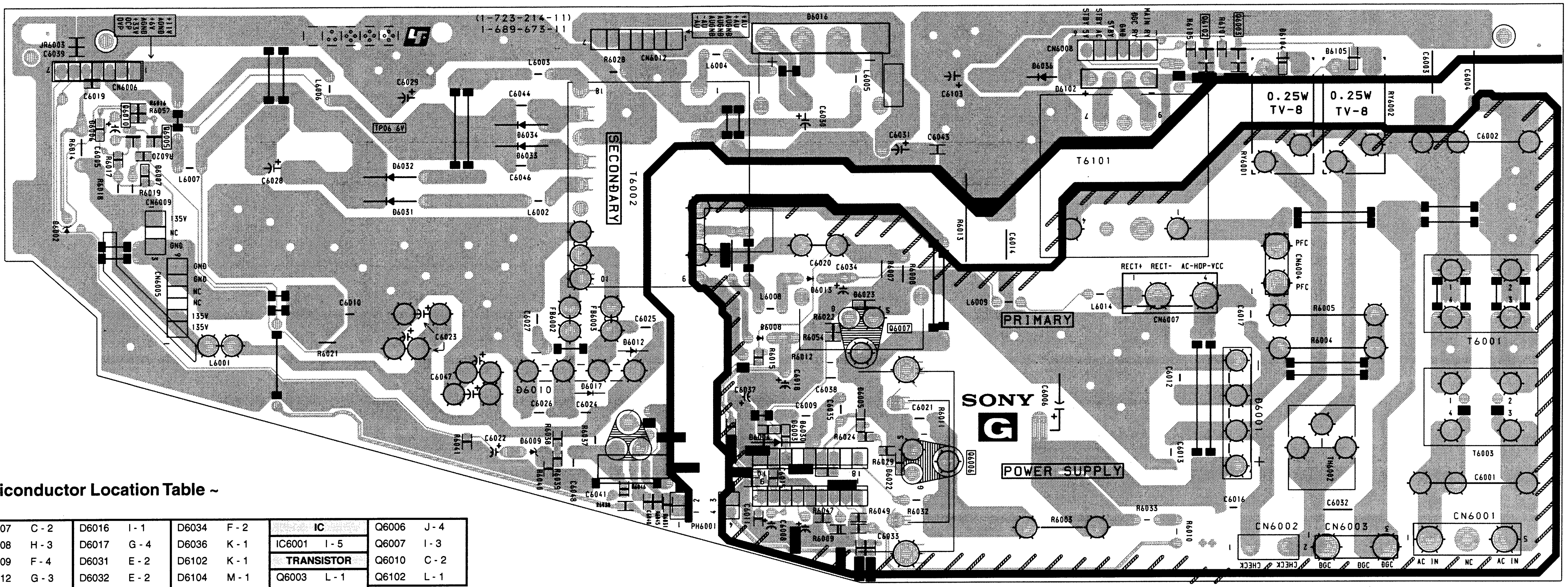
4.2 Vp-p (V)

3.6 Vp-p (V)

2.3 Vp-p (V)

A B C D E F G H I J K L M N

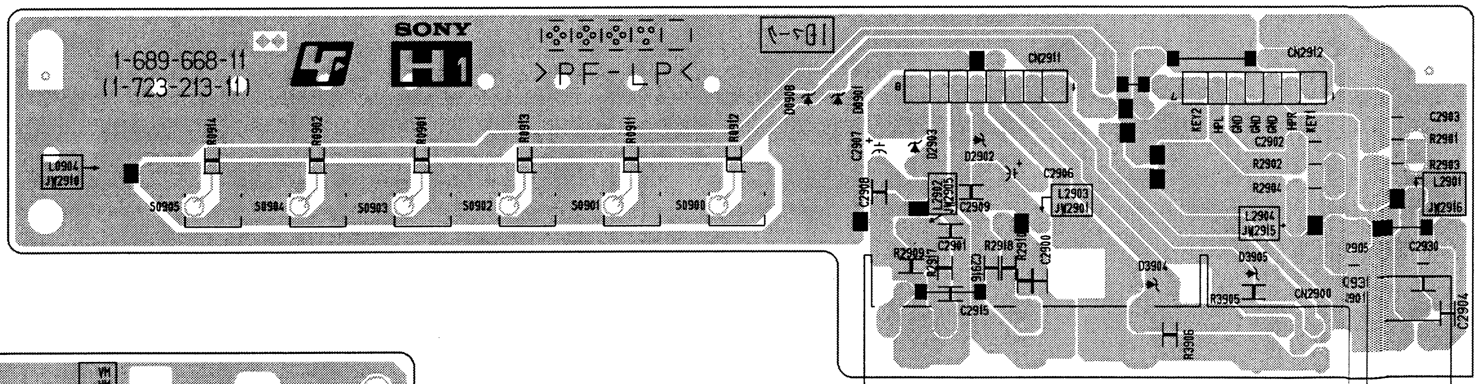
1 2 3 4 5 6 7 8 9 10 11


(1-723-214-11)
1-689-673-11
SECONDARY
T6002
T6101
0.25W TV-8
0.25W TV-8
PRIMARY
SONY G
POWER SUPPLY
T6001
T6003
CN6001
CN6002
CN6003
IC6001
AC IN
RECT+ RECT- AC-HOP-VCC

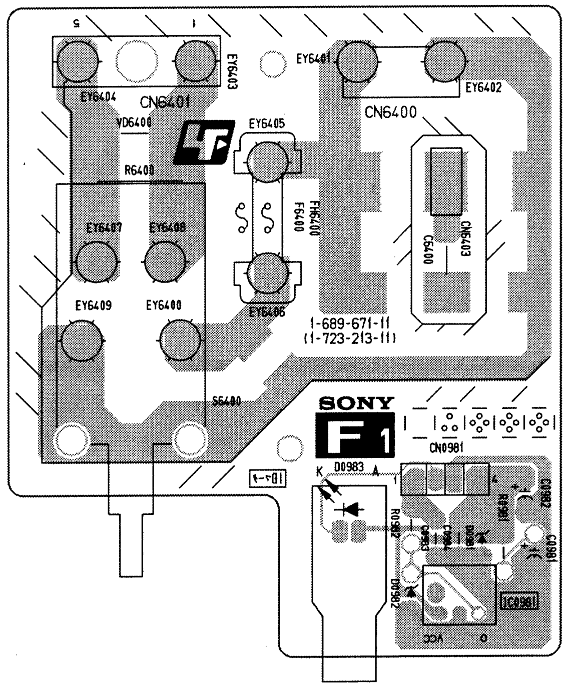
~ G Printed Wiring Board Conductor side ~

~ G Board Semiconductor Location Table ~

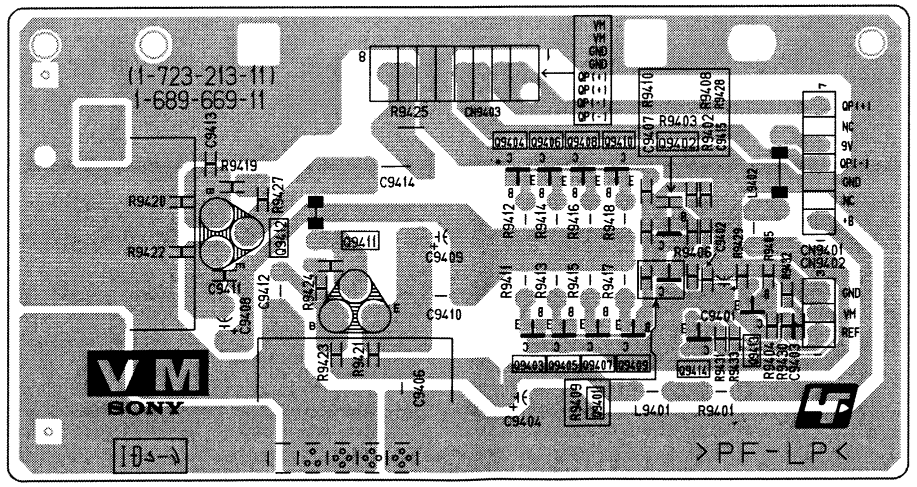
DIODE								IC			
D6001	L - 4	D6007	C - 2	D6016	I - 1	D6034	F - 2	IC6001	I - 5	Q6006	J - 4
D6002	B - 3	D6008	H - 3	D6017	G - 4	D6036	K - 1	**TRANSISTOR**		Q6007	I - 3
D6004	H - 4	D6009	F - 4	D6031	E - 2	D6102	K - 1	Q6003	L - 1	Q6010	C - 2
D6006	C - 2	D6012	G - 3	D6032	E - 2	D6104	M - 1	Q6005	C - 2	Q6102	L - 1
		D6013	I - 3	D6033	F - 2	D6105	M - 1				


1-689-668-11
(1-723-213-11)
SONY H1
>PF-LP<
CN2911
CN2912

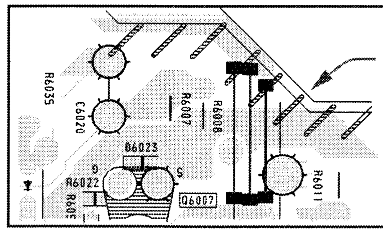
~ H1 Printed Wiring Board Conductor side ~


CN6401
CN6400
1-689-671-11
(1-723-213-11)
SONY F1
CN0981
D0983
IC0981

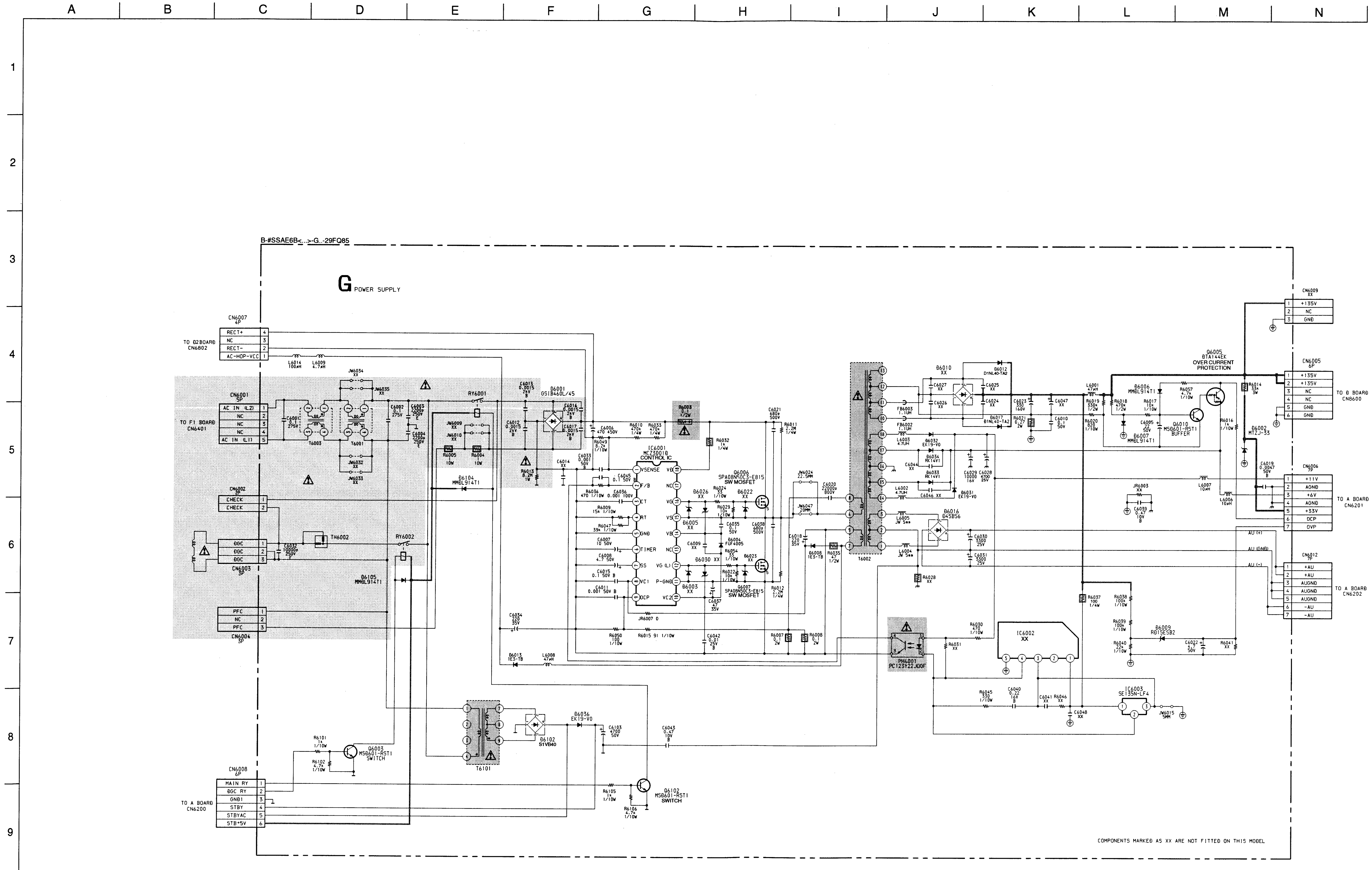
~ F1 Printed Wiring Board Conductor side ~


(1-723-213-11)
1-689-669-11
VM SONY
>PF-LP<
CN9403
CN9401
CN9402

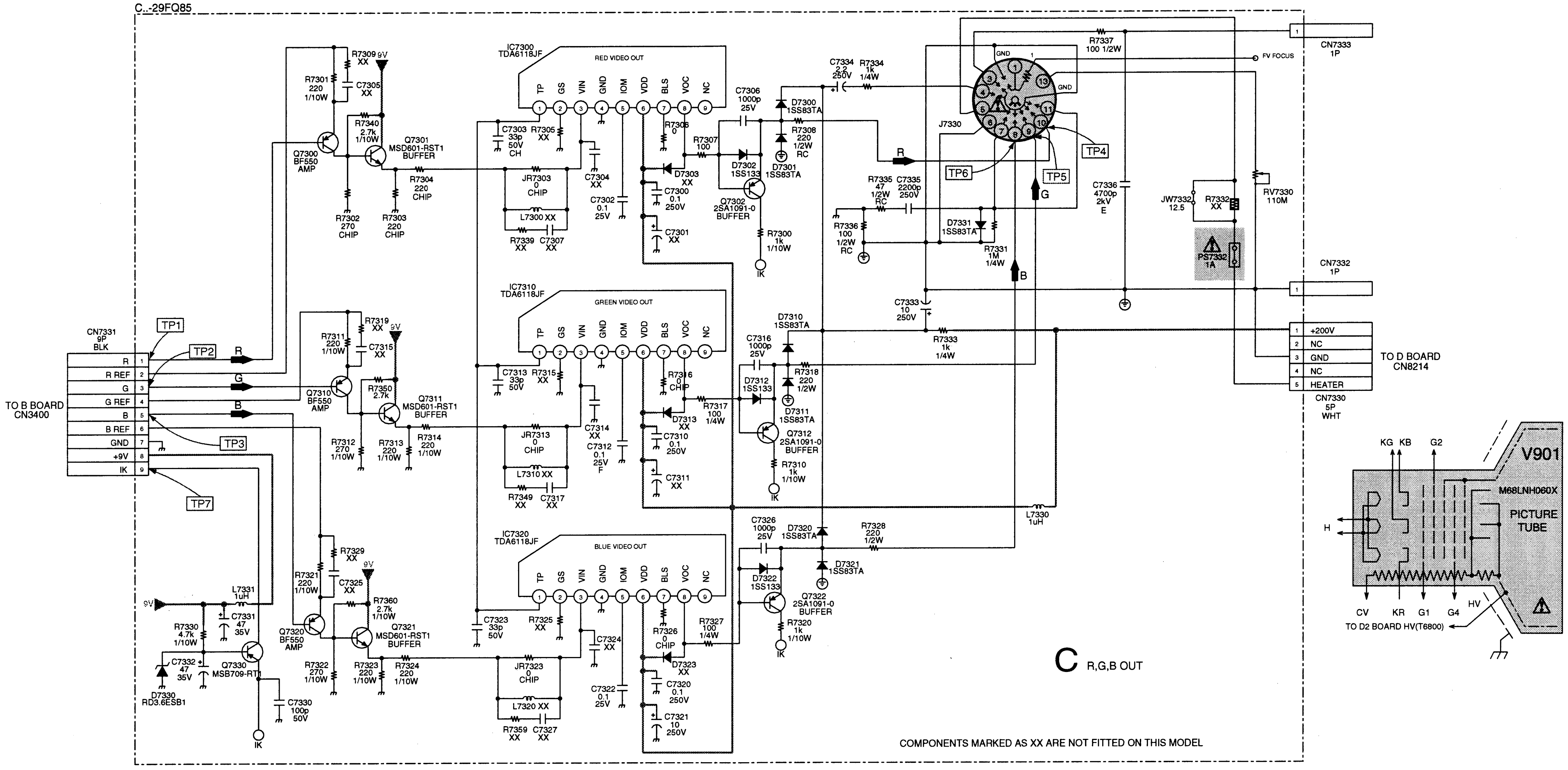
~ VM Printed Wiring Board Conductor side ~


R6035
C6020
R6007
R6008
Q6023
R6022
Q6007
R6011

Note :
Portions of the circuit contained within the marked areas as shown have high voltages present. Use care to prevent electric shock during inspection or repair. An Isolation Transformer must be used during any Service work to avoid possible shock hazard due to live chassis. The chassis of this receiver is directly connected to the power line.


A B C D E F G H I J K L M N
1 2 3 4 5 6 7 8 9
B-#SSAE6B<...>-G..-29FQ85
G POWER SUPPLY
CN6007 4P
TO D2BOARD CN6802
RECT+ 4
NC 3
RECT- 2
AC-HOP-VCC 1
L6014 100μH
L6009 4.7μH
CN6001 5P
TO F1 BOARD CN6401
AC IN (L2) 1
NC 2
NC 3
NC 4
AC IN (L1) 5
C6001 0.1 275V
T6003
T6001
JW6034 XX
JW6035 XX
JW6032 XX
JW6033 XX
C6002 0.1 275V
C6003 2200p 250V E
C6004 2200p 250V E
RY6001
JW6009 XX
JW6010 XX
R6005 1 10W
R6004 1 10W
D6104 MMDL914T1
C6013 0.0015 2kV B
C6012 0.0015 2kV B
D6001 GSIB460L/45
C6016 0.0015 2kV B
C6017 0.0015 2kV B
R6013 8.2M 1W
C6014 XX
C6033 0.001 50V B
C6006 470 450V
R6049 8.2k 1/10W
R6010 470k 1/4W
R6033 470k 1/4W
R6003 0.1 1/2W
R6032 1k 1/4W
CN6002 2P
CHECK 1
CHECK 2
CN6003 3P
DGC 1
DGC 2
DGC 3
C6032 10000p 250V F
TH6002
RY6002
D6105 MMDL914T1
CN6004 3P
PFC 1
NC 2
PFC 3
IC6001 MCZ3001D CONTROL IC
1 VSENSE
2 F/B
3 CT
4 RT
5 GND
6 TIMER
7 SS
8 VC1
9 OCP
18 VD
17 NC
16 VG
15 VS
14 VB
13 NC
12 VG (L)
11 P-GND
10 VC2
C6045 0.1 50V B
R6036 470 1/10W
C6036 0.001 100V
R6009 15k 1/10W
R6047 39k 1/10W
C6007 10 50V
C6008 4.7 50V
C6015 0.1 50V B
C6011 0.001 50V B
JR6007 0
R6050 100 1/10W
R6015 91 1/10W
C6042 0.01 25V B
C6034 220 35V
D6013 1E3-TB
L6008 47μH
Q6006 SPA08N50C3-E815 SW MOSFET
Q6007 SPA08N50C3-E815 SW MOSFET
D6026 XX
R6024 33 1/10W
D6022 XX
R6029 10k 1/10W
D6005 XX
C6035 0.1 50V
D6004 FUF4005
C6009 XX
R6054 33 1/10W
D6030 XX
D6023 XX
R6022 10k 1/10W
D6003 XX
C6037 47 35V
C6021 680p 500V
R6011 2.2M 1/4W
C6038 680p 500V
R6012 2.2M 1/4W
R6007 0.1 2W
R6008 0.1 2W
JW6024 22.5MM
JW6047 20MM
C6020 22000p 800V
C6018 220 35V
D6008 1E3-TB
R6035 47 1/2W
T6002
D6010 XX
C6027 XX
C6026 XX
C6025 XX
C6024 XX
D6012 D1NL40-TA2
D6017 D1NL40-TA2
FB6003 1.1UH
FB6002 1.1UH
C6023 330 160V
R6021 0.27 2W
C6047 XX
C6010 0.1 50V
L6003 4.7UH
D6032 EK19-V0
D6034 RK14V1
C6044 XX
D6033 RK14V1
L6002 4.7UH
C6046 XX
D6031 EK19-V0
C6029 10000 16V
C6028 4700 25V
L6005 JW 5mm
L6004 JW 5mm
D6016 D4SBS6
C6030 3300 25V
C6031 3300 25V
R6028 XX
L6001 47μH
R6019 330k 1/2W
R6020 820 1/10W
R6018 470k 1/2W
D6006 MMDL914T1
R6017 10k 1/10W
R6057 4.7k 1/10W
Q6005 DTA144EK OVER CURRENT PROTECTION
C6005 22 50V
Q6010 MSD601-RST1 BUFFER
D6007 MMDL914T1
R6014 33k 3W
R6016 1k 1/10W
D6002 MTZJ-33
C6019 0.0047 50V B
JR6003 XX
C6039 0.47 10V B
L6007 10μH
L6006 10μH
CN6009 XX
1 +135V
2 NC
3 GND
CN6005 6P
TO D BOARD CN8600
1 +135V
2 +135V
3 NC
4 NC
5 GND
6 GND
CN6006 7P
TO A BOARD CN6201
1 +11V
2 AGND
3 +6V
4 AGND
5 +33V
6 DCP
7 OVP
AU (+)
AU (GND)
AU (-)
CN6012 7P
TO A BOARD CN6202
1 +AU
2 +AU
3 AUGND
4 AUGND
5 AUGND
6 -AU
7 -AU
PH6001 PC123Y22J00F
R6031 XX
R6030 470 1/10W
IC6002 XX
R6037 100 1/4W
R6038 100k 1/10W
R6039 100k 1/10W
R6040 22k 1/10W
D6009 RD15ESB2
C6022 4.7 50V
R6041 XX
R6045 330 1/10W
C6040 0.22 16V B
C6041 XX
R6046 XX
C6048 XX
IC6003 SE135N-LF4
JW6015 5MM
T6101
D6102 S1VB40
D6036 EK19-V0
C6103 4700 50V
C6043 0.47 10V B
R6101 1k 1/10W
R6102 4.7k 1/10W
Q6003 MSD601-RST1 SWITCH
CN6008 6P
TO A BOARD CN6200
MAIN RY 1
DGC RY 2
GND1 3
STBY 4
STBYAC 5
STB+5V 6
R6105 1k 1/10W
R6106 4.7k 1/10W
Q6102 MSD601-RST1 SWITCH
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
10
11

~ G Board Schematic Diagram [Power Supply] ~

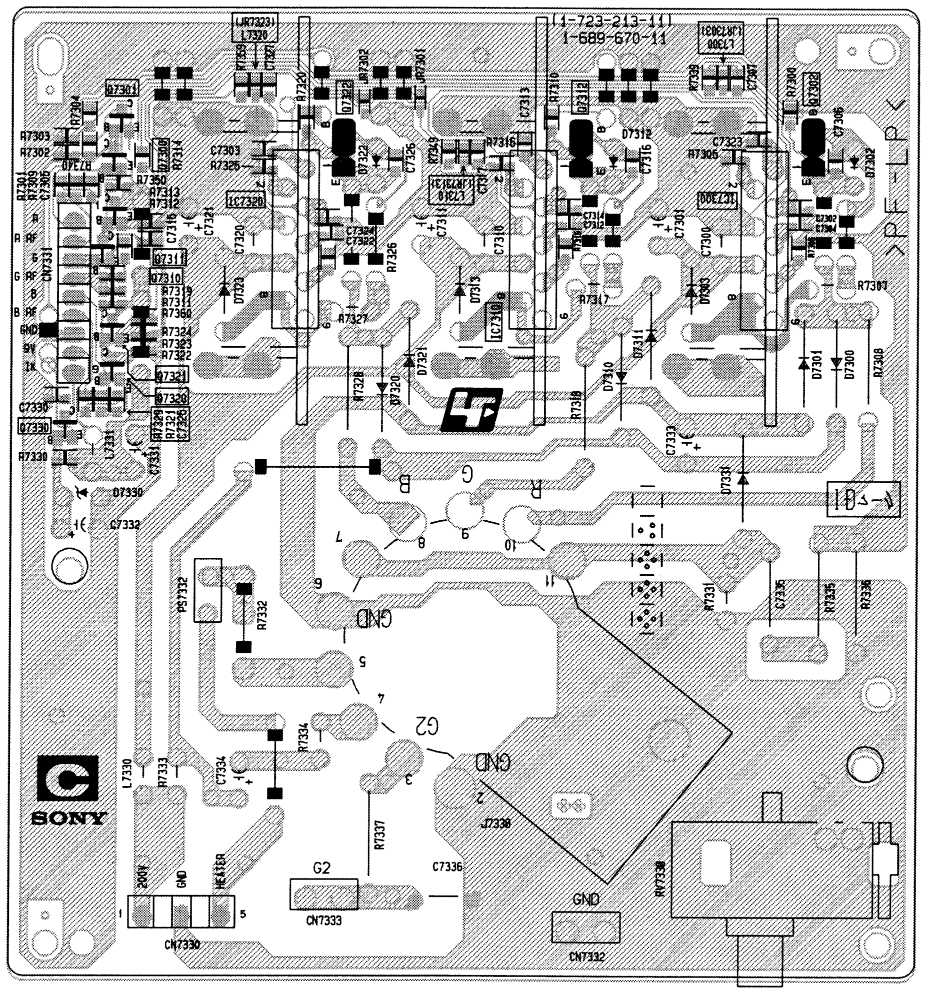


A
B
C
D
E
F
G
H
I
J
K
L
M
N
1
2
3
4
5
6
7
8
9
10
11
C..-29FQ85
IC7300 TDA6118JF
RED VIDEO OUT
IC7310 TDA6118JF
GREEN VIDEO OUT
IC7320 TDA6118JF
BLUE VIDEO OUT
TP GS VIN GND IOM VDD BLS VOC NC
Q7300 BF550 AMP
Q7301 MSD601-RST1 BUFFER
Q7310 BF550 AMP
Q7311 MSD601-RST1 BUFFER
Q7320 BF550 AMP
Q7321 MSD601-RST1 BUFFER
Q7302 2SA1091-0 BUFFER
Q7312 2SA1091-0 BUFFER
Q7322 2SA1091-0 BUFFER
Q7330 MSB709-RT1
D7330 RD3.6ESB1
L7331 1uH
L7330 1uH
CN7331 9P BLK
TO B BOARD CN3400
R
R REF
G
G REF
B
B REF
GND
+9V
IK
TP1
TP2
TP3
TP4
TP5
TP6
TP7
9V
J7330
GND
FV FOCUS
R7337 100 1/2W
C7334 2.2 250V
R7334 1k 1/4W
C7336 4700p 2kV E
JW7332 12.5
R7332 XX
PS7332 1A
RV7330 110M
CN7333 1P
CN7332 1P
CN7330 5P WHT
+200V
NC
GND
NC
HEATER
TO D BOARD CN8214
V901
M68LNH060X
PICTURE TUBE
KG KB G2
H
CV KR G1 G4 HV
TO D2 BOARD HV(T6800)
C R,G,B OUT
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

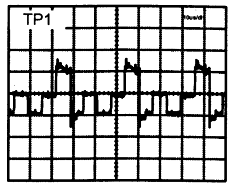
~ C Board Schematic Diagram [R-G-B Out] ~

A B C D E F G H I J K L M N

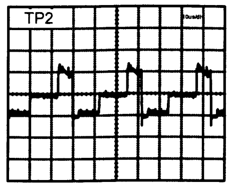
~ C Printed Wiring Board Conductor side ~


1-723-213-11
1-689-670-11
C
SONY
CN7330
CN7333
CN7332
G2
GND
HEATER
200V
J7330

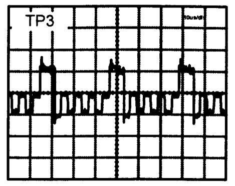
~ C Board Waveforms ~



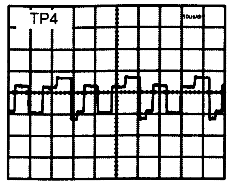
3.0 Vp-p (H)



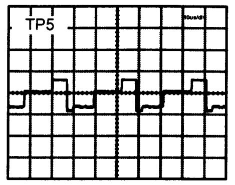
3.0 Vp-p (H)



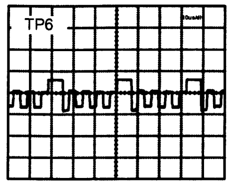
3.0 Vp-p (H)



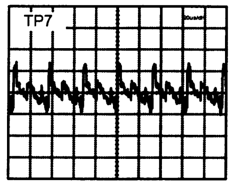
100 Vp-p (H)



95 Vp-p (H)

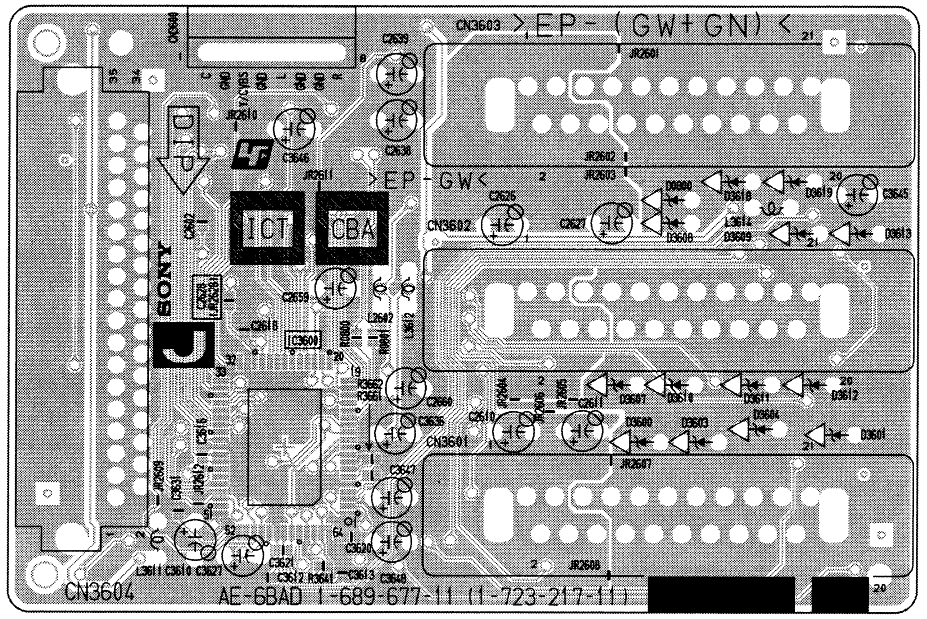


95 Vp-p (H)

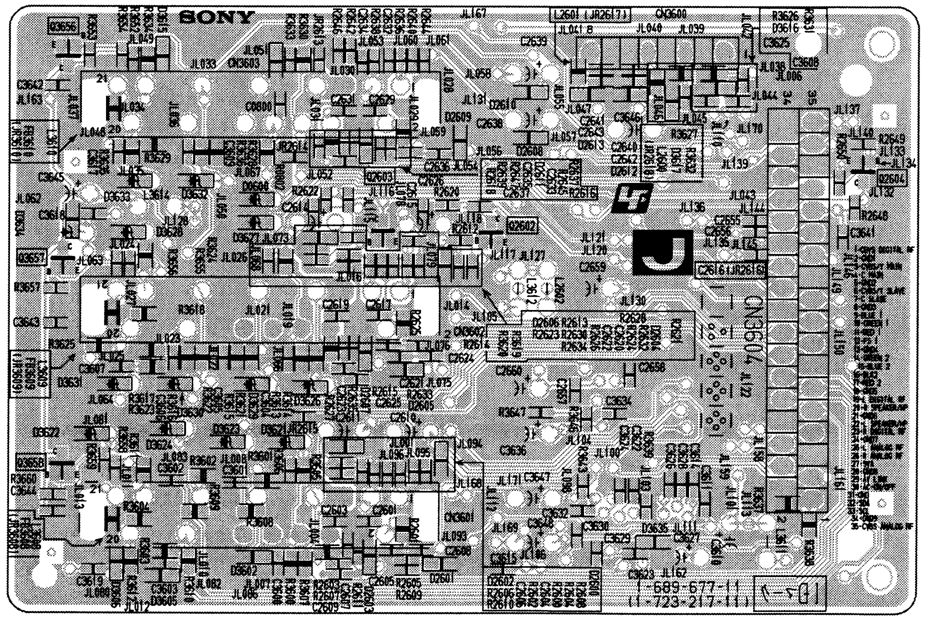


1.25 Vp-p (H)

~ J Printed Wiring Board Conductor side A ~


CN3603 >EP-(GW+GN)<
CN3602
CN3601
CN3604
>EP-GW<
ICT
CBA
SONY
J
AE-6BAD 1-689-677-11 (1-723-217-11)

~ J Printed Wiring Board Conductor side B ~

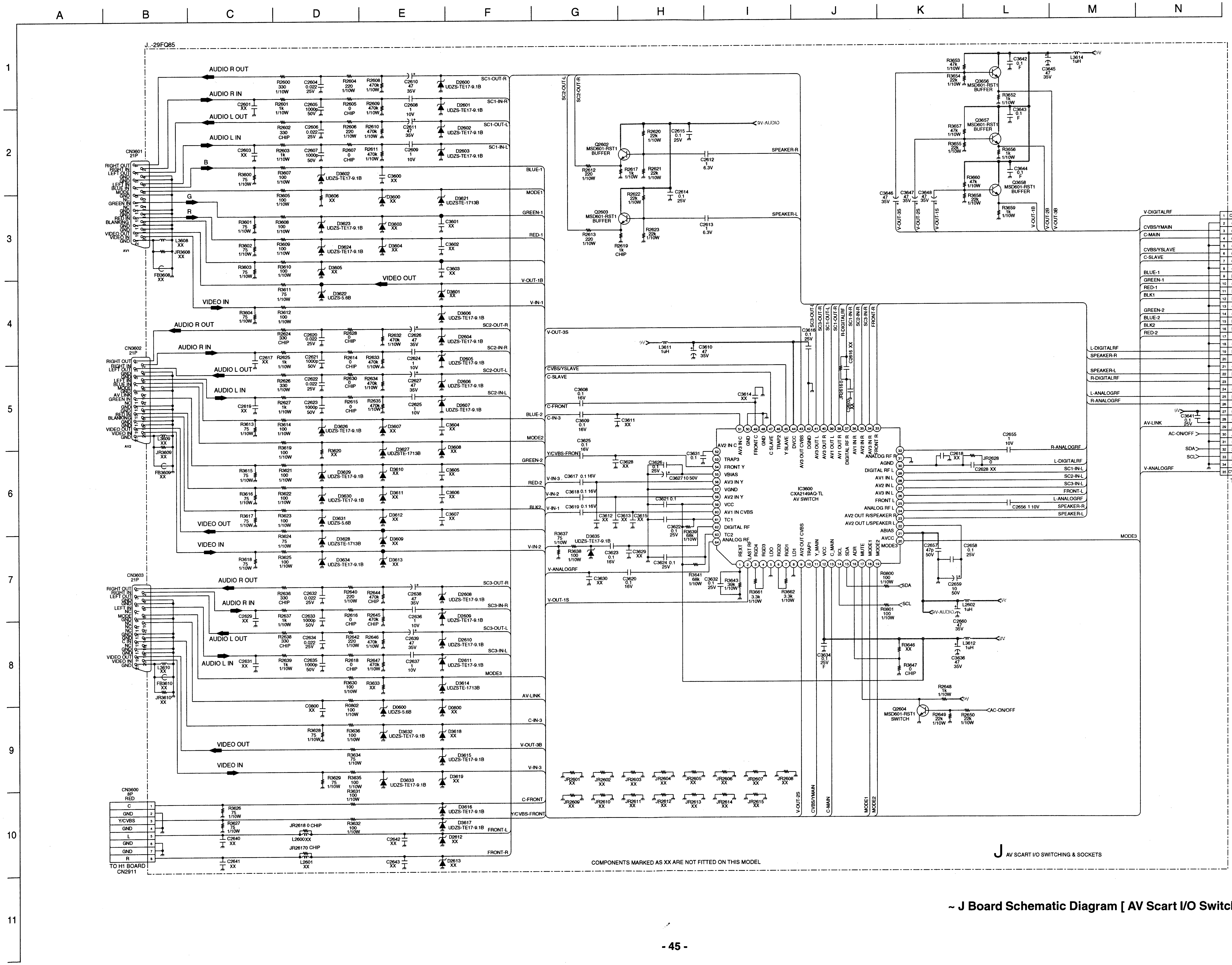

SONY
J
CN3604
1-689-677-11
(1-723-217-11)

~ C Board Semiconductor Voltage Table ~

Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q7300	7.5	6.9	2.4	Q7312	149.5	149.56	3.8
Q7301	1.8	2.4	8.9	Q7320	7.6	6.9	2.3
Q7302	145.9	147.8	4.0	Q7321	1.7	2.3	8.9
Q7310	7.6	7.0	2.2	Q7322	148.4	150.6	3.8
Q7311	1.6	2.2	8.9	Q7330	3.6	3.2	0

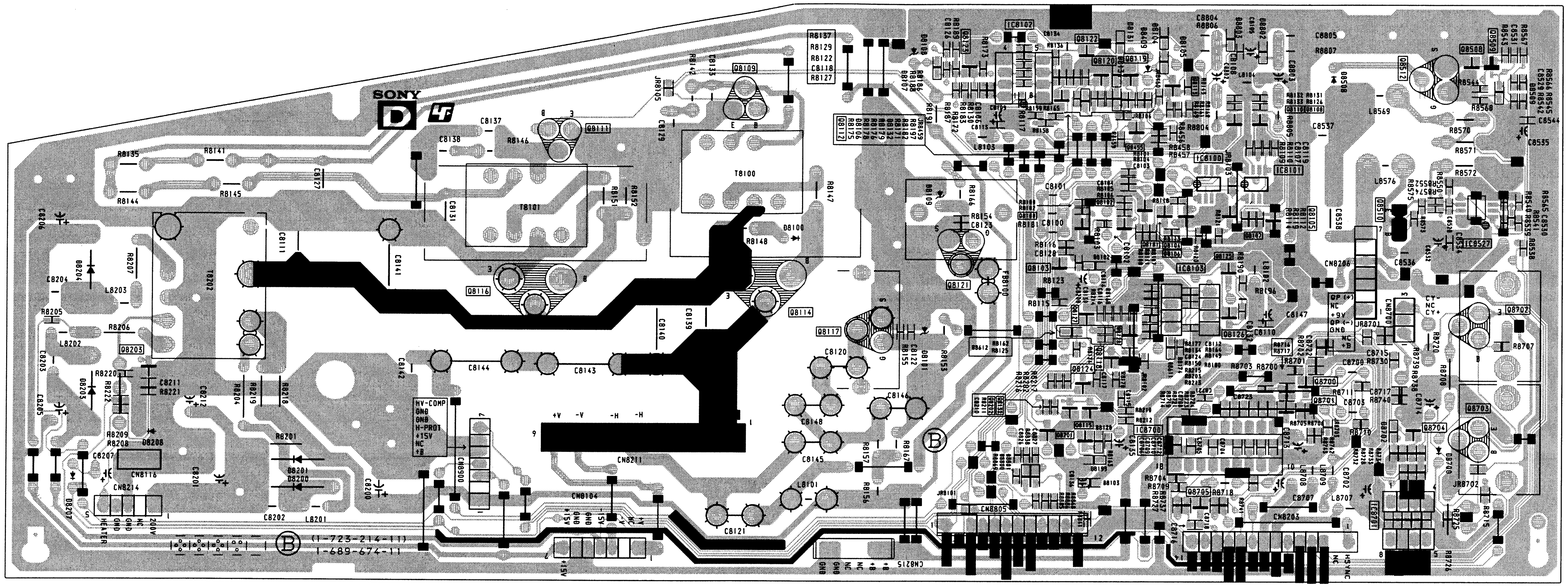
~ C Board IC Voltage Table ~

IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC7300	1	5.3
	2	21.9
	3	1.9
	5	5.9
	6	205.4
	8	147.6
IC7310	1	5.1
	2	0
	3	1.7
	5	5.6
	6	205.4
	8	149.5
IC7320	1	5.1
	2	0
	3	1.8
	5	4.8
	6	205.4
	8	150.4

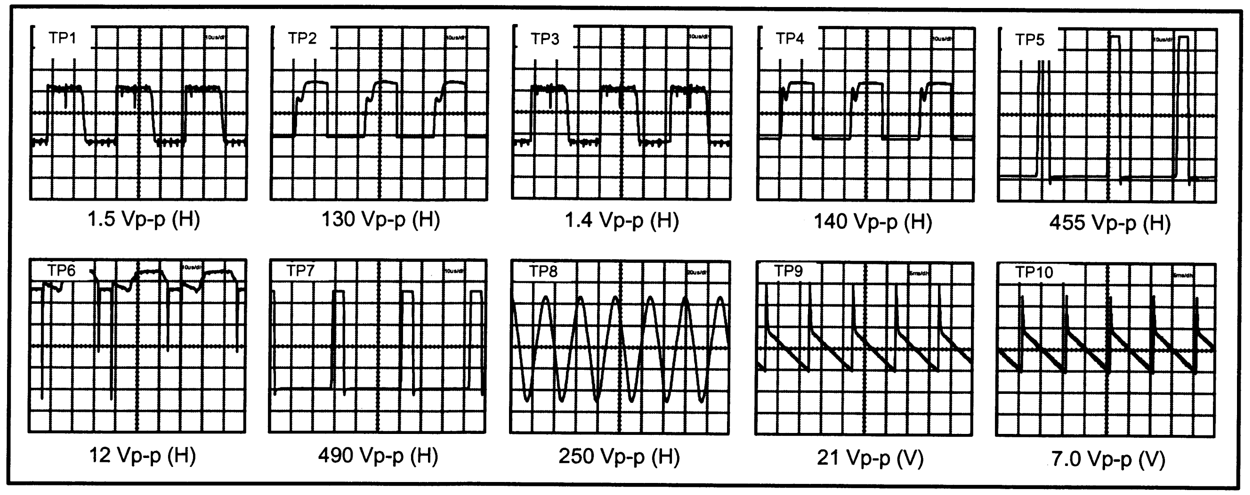

J...29FQ85
AUDIO R OUT
AUDIO R IN
AUDIO L OUT
AUDIO L IN
VIDEO OUT
VIDEO IN
CN3601 21P
CN3602 21P
CN3603 21P
CN3600 8P RED
TO H1 BOARD CN2911
CN3604 35P WHT
TO A BOARD CN3002
IC3600 CXA2149AQ-TL AV SWITCH
Q2602 MSD601-RST1 BUFFER
Q2603 MSD601-RST1 BUFFER
Q3656 MSD601-RST1 BUFFER
Q3657 MSD601-RST1 BUFFER
Q3658 MSD601-RST1 BUFFER
Q2604 MSD601-RST1 SWITCH
SPEAKER-R
SPEAKER-L
9V-AUDIO
V-DIGITALRF
CVBS/YMAIN
C-MAIN
CVBS/YSLAVE
C-SLAVE
BLUE-1
GREEN-1
RED-1
BLK1
GREEN-2
BLUE-2
BLK2
RED-2
L-DIGITALRF
R-DIGITALRF
L-ANALOGRF
R-ANALOGRF
AV-LINK
AC-ON/OFF
SDA
SCL
V-ANALOGRF
MODE1
MODE2
MODE3
FRONT-L
FRONT-R
C-FRONT
Y/CVBS-FRONT
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
J AV SCART I/O SWITCHING & SOCKETS

~ J Board Schematic Diagram [AV Scart I/O Switching and Sockets] ~

~ D Printed Wiring Board Conductor side ~



~ D Board Waveforms ~



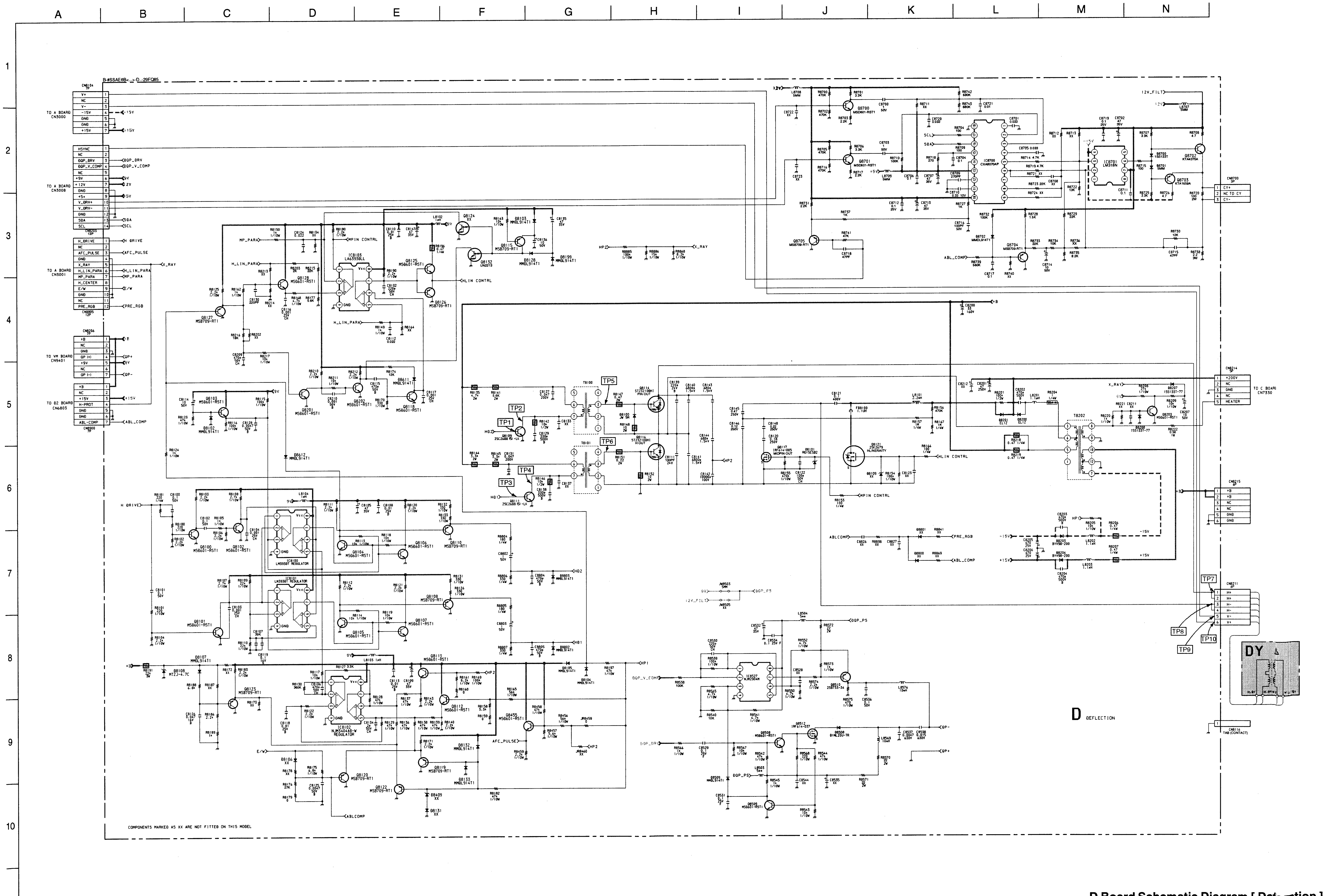
TP1: 1.5 Vp-p (H)
TP2: 130 Vp-p (H)
TP3: 1.4 Vp-p (H)
TP4: 140 Vp-p (H)
TP5: 455 Vp-p (H)
TP6: 12 Vp-p (H)
TP7: 490 Vp-p (H)
TP8: 250 Vp-p (H)
TP9: 21 Vp-p (V)
TP10: 7.0 Vp-p (V)

~ D Board IC Voltage Table ~

IC Voltage Table			IC Voltage Table		
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
IC8100	1	0.3	IC8102	1	3.8
	2	3.9		2	0.4
	3	3.9		3	0.4
	5	3.9		5	0.4
	6	3.6		6	0.4
	7	0.4		7	0.4
IC8101	1	0.3	IC8103	1	2.5
	2	3.9		2	1.7
	3	3.2		3	1.7
	5	3.2		5	0.9
	6	3.6		6	3.6
	7	3.5		7	1.1

~ D Board Semiconductor Voltage Table ~

Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q8100	0	0	3.0	Q8110	2.4	3.7	0	Q8125	1.2	1.1	8.9
Q8101	0	0	3.9	Q8111	0	0	62.9	Q8126	1.2	1.1	0
Q8102	0	1.0	3.6	Q8113	0.4	0	8.9	Q8127	1.1	1.5	0
Q8103	3.9	0	8.9	Q8115	8.6	8.9	0	Q8128	3.4	1.5	8.9
Q8104	0	0.3	3.7	Q8118	0	0	3.6	Q8132	0	0	3.6
Q8105	0	3.5	0.3	Q8119	1.2	0.5	0	Q8201	0	0.6	3.7
Q8106	0	0.3	3.9	Q8120	1.3	0.5	0	Q8202	0	0.9	3.7
Q8107	0	0.3	3.9	Q8121	0	1.2	135.2	Q8455	1.2	1.7	8.9
Q8108	2.4	0.3	0	Q8122	0.5	1.4	0	Q8510	8.1	7.5	0.4
Q8109	0	0	58.0	Q8123	0.5	1.3	0	Q8512	0	5.3	32.6

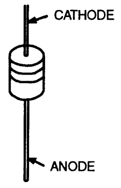

A
B
C
D
E
F
G
H
I
J
K
L
M
N
1
2
3
4
5
6
7
8
9
10
11
TO A BOARD CN3000
TO A BOARD CN3008
TO A BOARD CN3001
TO VM BOARD CN9401
TO D2 BOARD CN6803
TO C BOARD CN7350
IC8100 LA6358LL
IC8101 LM358 REGULATOR
IC8102 LM358 REGULATOR
IC8700 CXA8070AP
IC8701 LM318N
IC8128 NJM540408-W REGULATOR
T8100
T8101
T8202
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
HSYNC
H_DRIVE
AFC_PULSE
X_RAY
H_LIN_PARA
MP_PARA
H_CENTER
E/W
PRE_RGB
ABL_COMP
HLIN CONTROL
MPIN CONTROL
DQP_V_COMP
DQP_DRV
DQP_PS
12V_FILT
SCL
SDA
+B
+200V
HEATER
CY+
NC TO CY
CY-
DY
D DEFLECTION
CN8116 TAB (CONTACT)
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ D Board Schematic Diagram [Deflection] ~

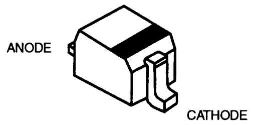
5-4. SEMICONDUCTORS

1E3
1SS133T-77
1SS83
D1NL20U
D1NL20U-TR
D1NL40-TA2
EL1Z
ERA22-08
GP08D
FUF4005
HZS9.1NB2
MTZJ-33B
MTZJ-4.7C

RD15ES-B2
RD39ES-B2
RD3.6ES-B2
RD5.6ESB2
RK14V1


CATHODE
ANODE

1PS184-115
MM3Z4V7T1
MM3Z6V8T1
MM3Z9V1ST1
MM3Z15VT1
MMDL914T1
UDZSTE-1713B
UDZSTE-1718B
UDZSTE-173.9B
UDZSTE-175.6B
UDZSTE-176.2B
UDZSTE-179.1B
UDZSTE-17-7.5B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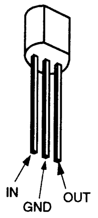

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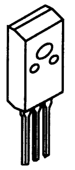

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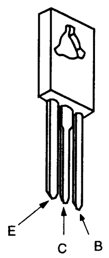

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DTC144EKA
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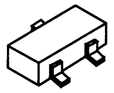
MSD601-RST1
M1MA152WA-T1
UN2111



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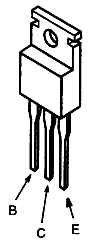

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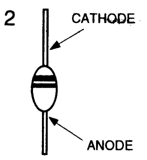
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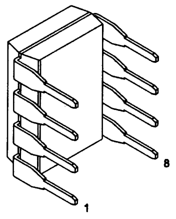

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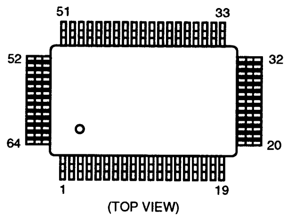
51
33
52
32
64
20
1
19
(TOP VIEW)

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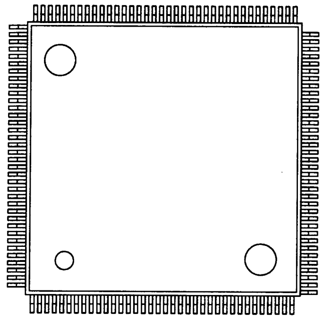

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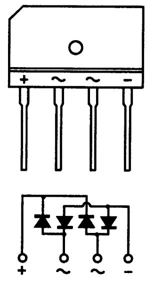

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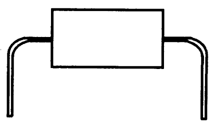

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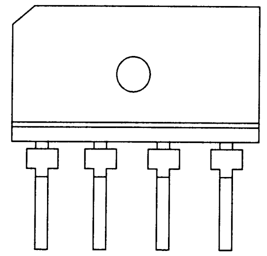

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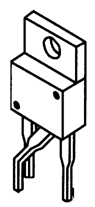

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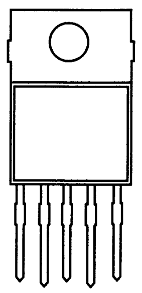

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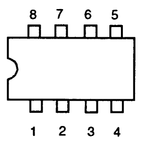

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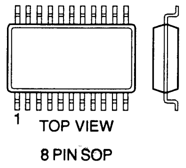
1
TOP VIEW
8 PIN SOP

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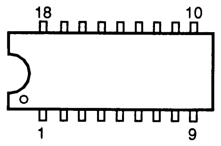

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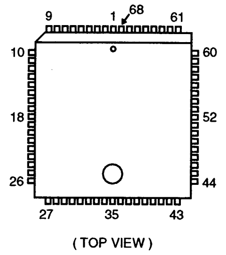
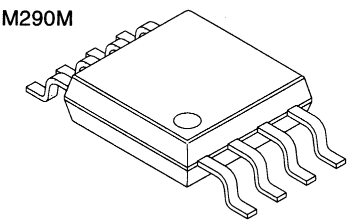

9
1
68
61
10
60
18
52
26
44
27
35
43
(TOP VIEW)

NJM290M



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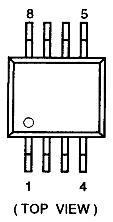
8
5
1
4
(TOP VIEW)

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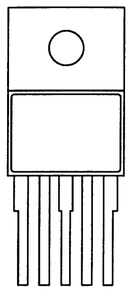

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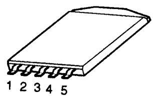

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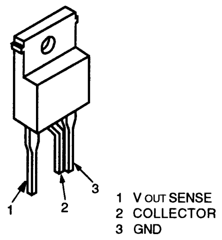
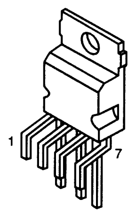

1
2
3
1 V OUT SENSE
2 COLLECTOR
3 GND

STV9379



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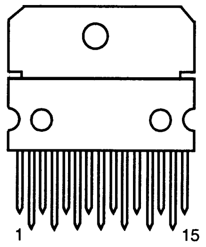

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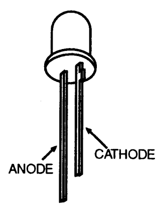
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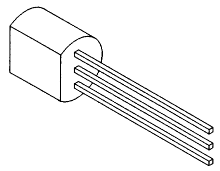

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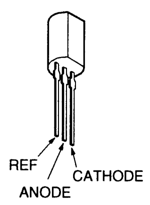
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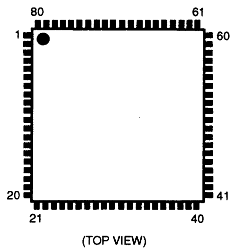
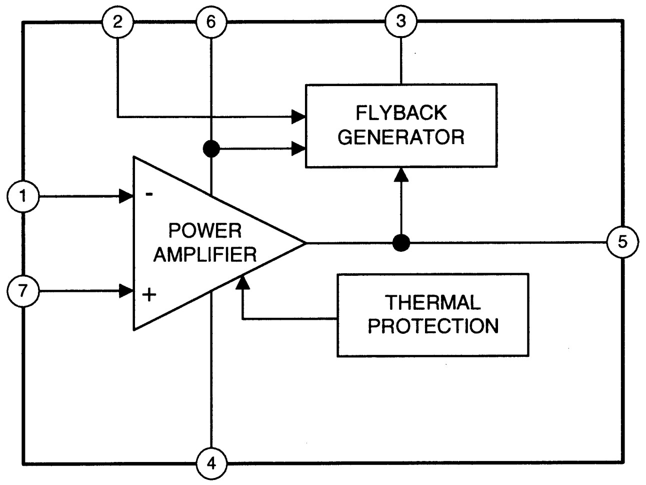
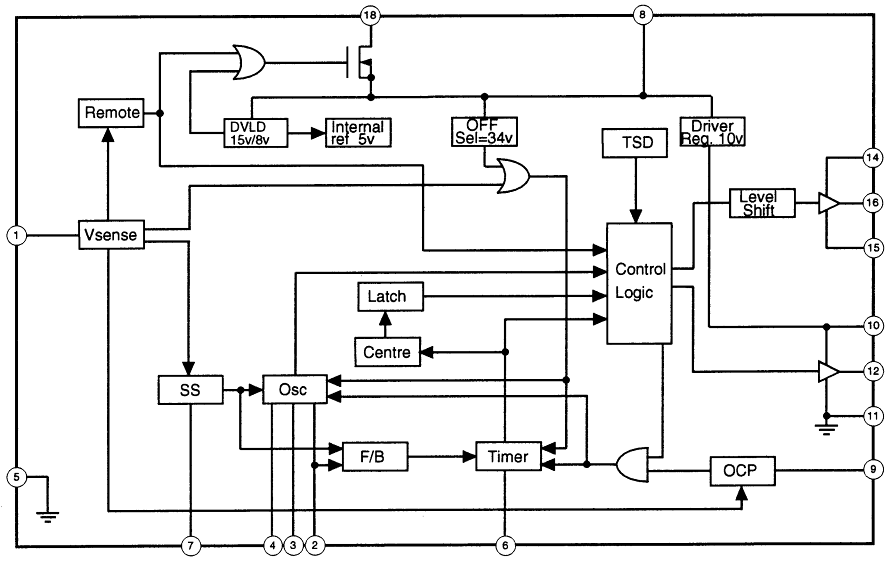

80
61
1
60
20
41
21
40
(TOP VIEW)

5-5. IC BLOCK DIAGRAMS

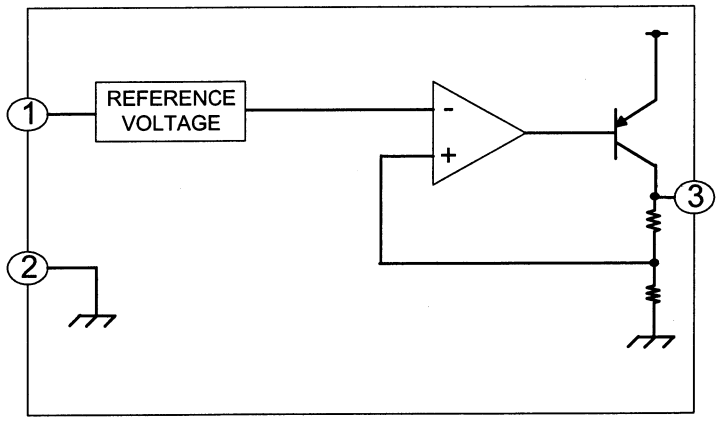
A BOARD IC5400 STV9379A


2
6
3
FLYBACK GENERATOR
1
7
-
+
POWER AMPLIFIER
5
THERMAL PROTECTION
4

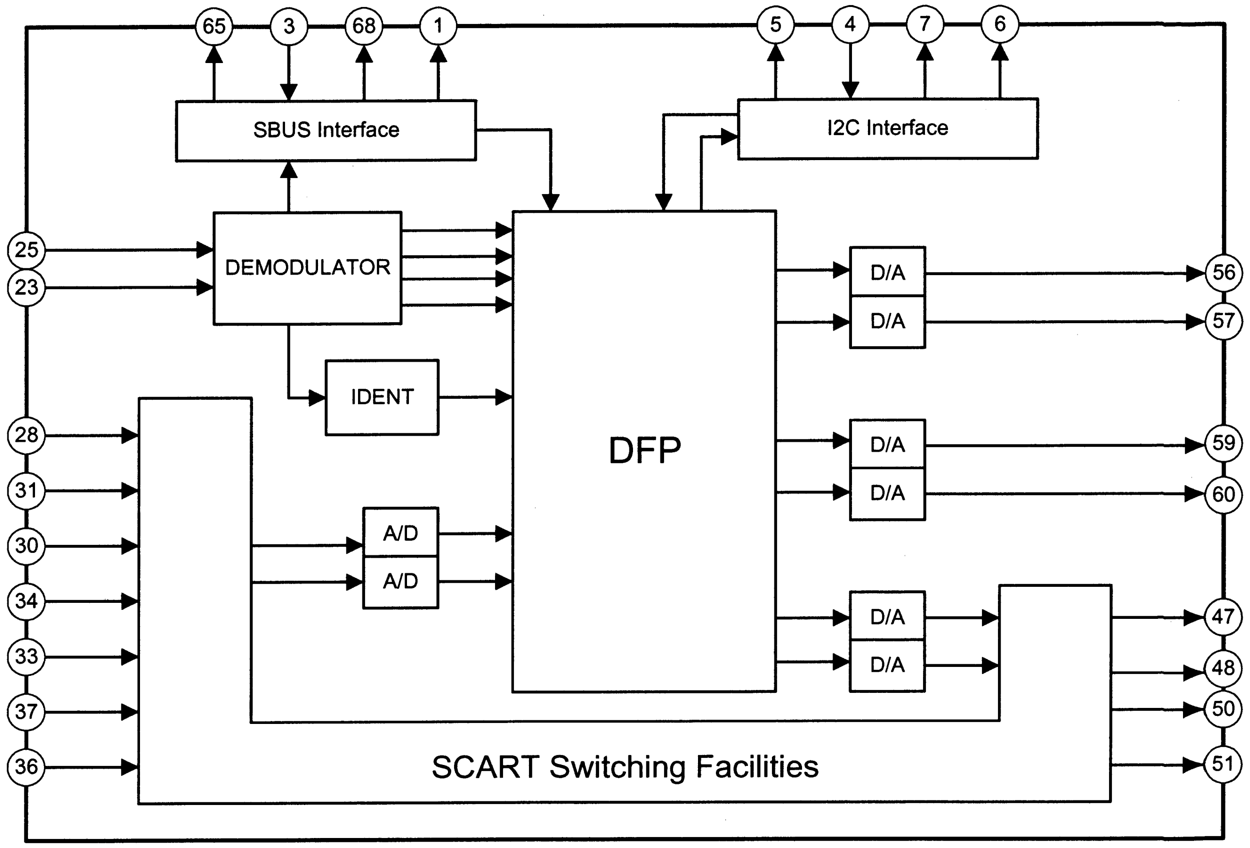
G BOARD IC6001 MCZ3001D


18
8
Remote
DVLD 15v/8v
Internal ref 5v
OFF Sel=34v
TSD
Driver Reg. 10v
14
Level Shift
16
15
1
Vsense
Control Logic
Latch
Centre
10
SS
Osc
12
11
F/B
Timer
OCP
9
5
7
4
3
2
6

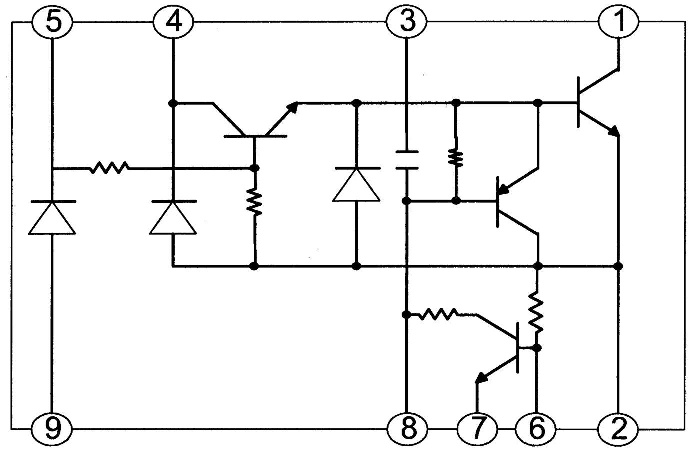
A BOARD IC6210 BA033T


1
REFERENCE VOLTAGE
-
+
3
2

A BOARD IC2000 MSP3411G


65
3
68
1
5
4
7
6
SBUS Interface
I2C Interface
25
23
DEMODULATOR
DFP
D/A
D/A
56
57
IDENT
28
31
30
34
33
37
36
D/A
D/A
59
60
A/D
A/D
D/A
D/A
47
48
50
51
SCART Switching Facilities

G BOARD IC6003 SE135N-LF4



SECTION 6
EXPLODED VIEWS

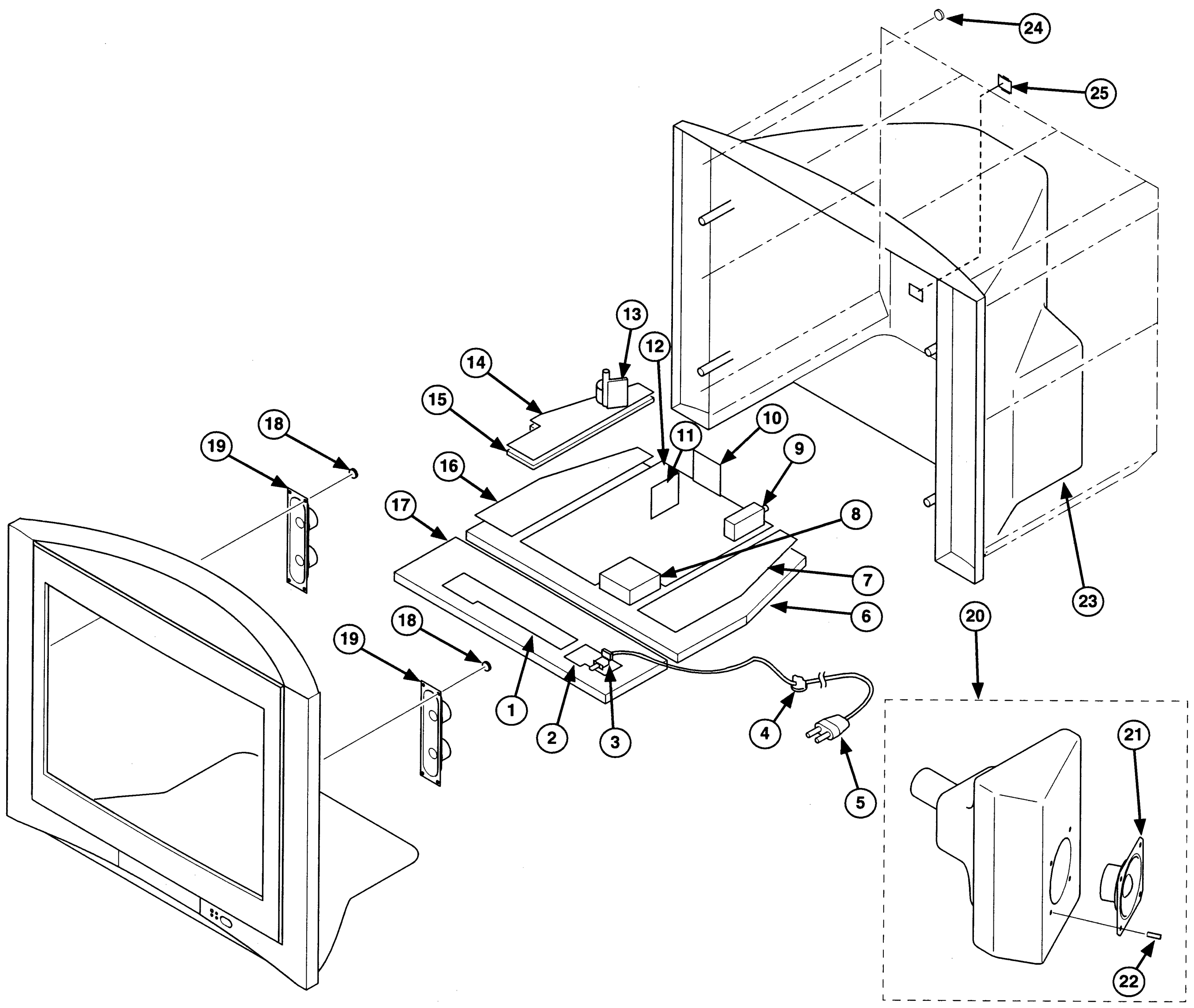
Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

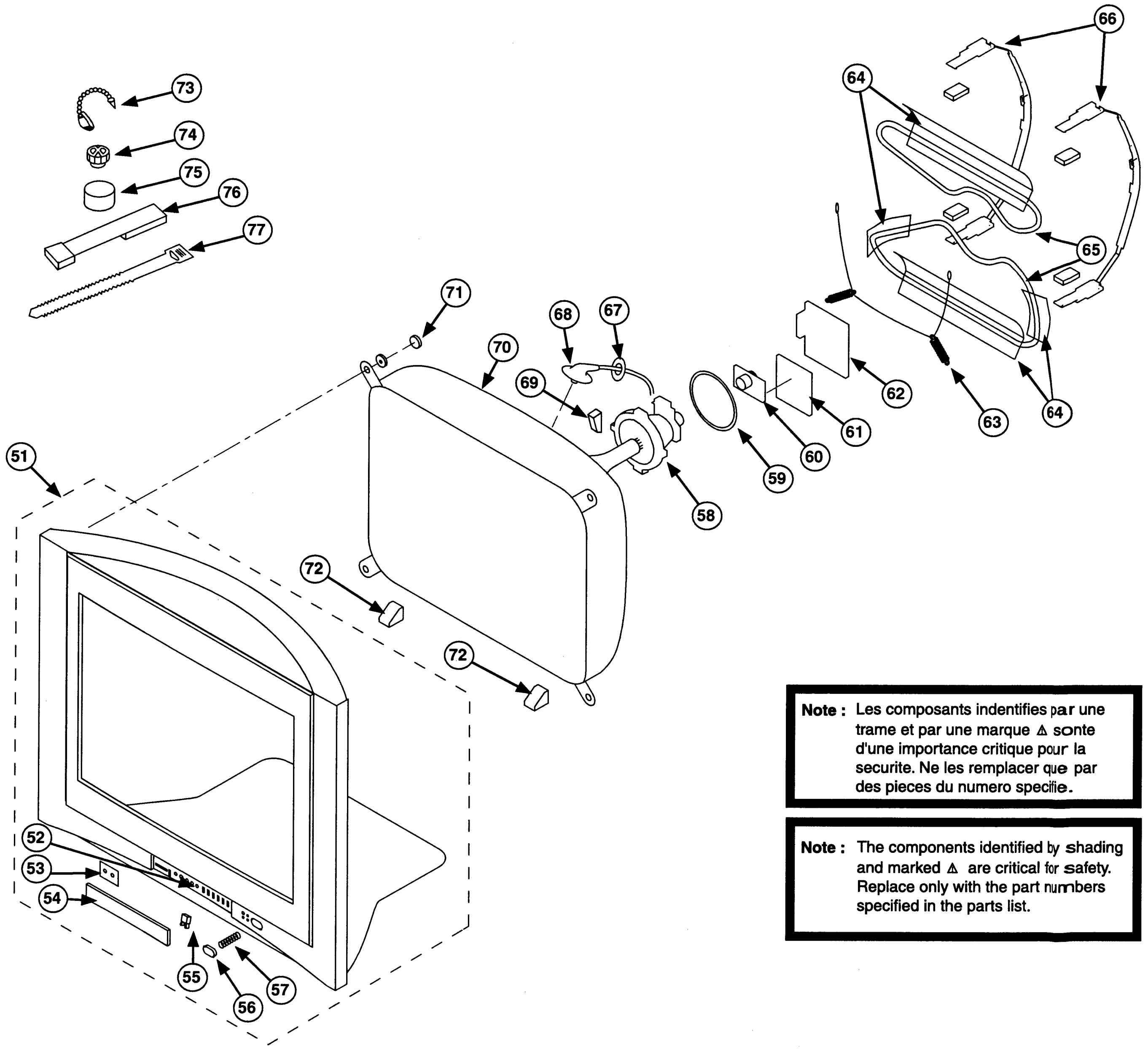
6-1. CHASSIS



REF.NO.		PART.NO	DESCRIPTION	REMARK
1		*A-1405-609-A	H1 BOARD COMPLETE	
2		*A-1405-611-A	F1 BOARD, COMPLETE	
3	⚠	1-571-433-21	SWITCH, PUSH (AC POWER)	
4		*4-202-531-01	AC CORD LOCK (SC)	
5	⚠	*1-823-853-11	CORD, POWER	
6		*4-095-739-01	BRACKET, MAIN	
7		A-1302-548-A	G BOARD, COMPLETE	
8		1-424-855-11	COIL, CHOKE 29MMH	
9		8-598-533-10	FRONT END BTF-EC411	
10		*A-1405-623-A	J BOARD, COMPLETE	
11		*A-1302-336-A	B BOARD, COMPLETE	
12		*A-1302-331-A	A BOARD, COMPLETE	

REF.NO.		PART.NO	DESCRIPTION	REMARK
13	⚠	1-453-444-21	TRANSFORMER ASSY, FLYBACK (NX-6020//Z214)	
14		*A-1302-547-A	D2 BOARD, COMPLETE	
15		*4-095-738-01	BRACKET, D2	
16		*A-1302-332-A	D BOARD, COMPLETE	
17		*4-093-828-01	BRACKET, H	
18		4-058-870-01	SCREW (4x16)W(+)P TAPPING	
19		1-529-408-11	SPEAKER (4.2x24CM)	
20		*A-1603-084-A	WOOFER COMPLETE ASSY	21-22
21		1-529-417-11	SPEAKER (8CM)	
22		7-685-663-71	SCREW +BVTP 4x16 TYPE2 IT-3	
23		4-095-506-01	REAR COVER	
24		7-685-648-79	SCREW +BVTP 3x12 TYPE2 IT-3	
25		4-206-388-31	SERVICE PLATE	

6-2. PICTURE TUBE



Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.		PART.NO	DESCRIPTION	REMARK
51		X-4041-653-1	BEZNET ASSY	52-57
52		*4-087-533-01	MULTIBUTTON	
53		4-087-530-01	GUIDE, LIGHT	
54		4-093-827-01	DOOR	
55		4-085-507-03	SPRING, DOOR	
56		4-087-527-01	POWER BUTTON	
57		4-204-426-01	SPRING	
58	⚠	8-451-504-71	DEFLECTION YOKE (Y29RSC-L)	
59		1-452-896-11	COIL, NA ROTATION (RT200)	
60	⚠	8-453-011-11	NECK ASSY, (NA299-M)	
61		*A-1405-620-A	VM BOARD, COMPLETE	
62		*A-1405-610-A	C BOARD, COMPLETE	
63		4-369-318-22	SPRING, TENSION	
64		*4-203-390-11	CUSHION, DGC	

REF.NO.		PART.NO	DESCRIPTION	REMARK
65	⚠	1-424-888-11	COIL, DEGAUSSING	
66		*4-204-768-02	HOLDER, DGC (29")	
67		4-202-554-02	HOLDER, HV CABLE	
68	⚠	1-251-946-11	CAP ASSY, HIGH-VOLTAGE	
69		3-704-495-03	SPACER, DY	
70	⚠	8-735-097-05	PICTURE TUBE (M68LNH060X)	
71		4-046-765-12	SCREW, TAPPING 7+CROWN WASHER	
72		*4-206-160-01	SUPPORT CRT	
73		4-308-870-00	CLIP, LEAD WIRE	
74		1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
75		1-452-032-00	MAGNET, DISK; 10MM Ø	
76		X-4387-214-1	PERMALLOY, CORRECTION	
77		3-701-007-00	BAND, BINDING	

SECTION 7
ELECTRICAL PARTS LIST

PARTS LISTING TABLE OF CONTENTS

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D BOARD COMPLETE Parts List :	61
B BOARD COMPLETE Parts List :	65
D2 BOARD COMPLETE Parts List :	71
G BOARD COMPLETE Parts List :	73
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Note : Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)
Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

*** A-1302-331-A A Board, Complete**

REF.NO.	PART.NO	DESCRIPTION	REMARK
	4-382-854-01	SCREW (M3X8), P, SW (+)	
	4-382-854-01	SCREW (M3X8), P, SW (+)	
		< CAPACITOR >	
C1103	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1104	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1105	1-126-967-11	ELECT 47UF	20.00% 50V
C1106	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C1107	1-126-933-91	ELECT 100MF	20.00% 16V
C1109	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C1300	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C1302	1-216-864-11	SHORT CHIP 0	
C1303	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C1304	1-216-864-11	SHORT CHIP 0	
C1307	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2000	1-126-947-11	ELECT 47UF	20.00% 35V
C2001	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2002	1-126-947-11	ELECT 47UF	20.00% 35V
C2004	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2005	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2006	1-126-947-11	ELECT 47UF	20.00% 35V
C2007	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2009	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2010	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2011	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2012	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2013	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2014	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2016	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2017	1-126-964-11	ELECT 10UF	20.00% 50V
C2018	1-126-964-11	ELECT 10UF	20.00% 50V
C2019	1-126-947-11	ELECT 47UF	20.00% 35V
C2020	1-126-947-11	ELECT 47UF	20.00% 35V
C2021	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2022	1-126-964-11	ELECT 10UF	20.00% 50V
C2023	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2024	1-126-964-11	ELECT 10UF	20.00% 50V
C2026	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2027	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2028	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V
C2029	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V
C2030	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2031	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2032	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2040	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2200	1-126-960-11	ELECT 1UF	20.00% 50V
C2201	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2202	1-126-960-11	ELECT 1UF	20.00% 50V
C2203	1-126-963-11	ELECT 4.7UF	20.00% 50V
C2204	1-126-960-11	ELECT 1UF	20.00% 50V
C2205	1-126-960-11	ELECT 1UF	20.00% 50V
C2206	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2207	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2300	1-126-935-11	ELECT 470UF	20.00% 16V
C2301	1-126-947-11	ELECT 47UF	20.00% 35V
C2302	1-126-947-11	ELECT 47UF	20.00% 35V
C2303	1-126-947-11	ELECT 47UF	20.00% 35V
C2304	1-126-947-11	ELECT 47UF	20.00% 35V
C2305	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2306	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2400	1-136-175-00	FILM 0.68UF	5.00% 50V
C2401	1-165-128-11	CERAMIC CHIP 0.22UF	16V
C2402	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
C2403	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C2404	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2405	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2406	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C2407	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2408	1-126-963-11	ELECT 4.7UF	20.00% 50V
C2409	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C2410	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2411	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2412	1-126-943-11	ELECT 2200UF	20.00% 25V
C2413	1-126-943-11	ELECT 2200UF	20.00% 25V
C2414	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2500	1-107-914-11	ELECT 1000UF	20.00% 50V
C2501	1-107-914-11	ELECT 1000UF	20.00% 50V
C2502	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2503	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2504	1-126-959-91	ELECT 10UF	20.00% 50V
C2505	1-107-888-91	ELECT 47UF	20.00% 25V
C2506	1-107-888-91	ELECT 47UF	20.00% 25V
C2507	1-126-959-91	ELECT 10UF	20.00% 50V
C2512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2514	1-107-907-11	ELECT 22UF	20.00% 50V
C2603	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2619	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5103	1-126-960-11	ELECT 1UF	20.00% 50V
C5106	1-126-933-11	ELECT 100UF	20.00% 16V
C5109	1-126-964-11	ELECT 10UF	20.00% 50V
C5110	1-126-947-11	ELECT 47UF	20.00% 35V
C5111	1-126-964-11	ELECT 10UF	20.00% 50V
C5112	1-126-964-11	ELECT 10UF	20.00% 50V
C5116	1-126-964-11	ELECT 10UF	20.00% 50V
C5117	1-126-947-11	ELECT 47UF	20.00% 35V
C5118	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5119	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C5120	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C5121	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C5122	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5123	1-126-947-11	ELECT 47UF	20.00% 35V
C5124	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5125	1-126-964-11	ELECT 10UF	20.00% 50V
C5126	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5201	1-126-947-11	ELECT 47UF	20.00% 35V
C5202	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5203	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5204	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5205	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5206	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5207	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5208	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5209	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5210	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5214	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5215	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5217	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5218	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5219	1-126-964-11	ELECT 10UF	20.00% 50V
C5402	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5403	1-126-941-11	ELECT 470UF	20.00% 25V
C5404	1-102-228-00	CERAMIC 470PF	10.00% 500V
C5405	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5406	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C5407	1-126-941-11	ELECT 470UF	20.00% 25V
C5408	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5409	1-126-968-11	ELECT 100UF	20.00% 50V
C5410	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5411	1-137-401-11	MYLAR 0.22UF	5.00% 100V
C5412	1-106-220-00	MYLAR 0.1UF	10.00% 100V
C5413	1-130-785-11	MYLAR 0.47UF	5.00% 100V
C6200	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6203	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6206	1-104-665-11	ELECT 100UF	20.00% 25V
C6208	1-126-767-11	ELECT 1000UF	20.00% 16V
C6209	1-104-665-11	ELECT 100UF	20.00% 25V
C6212	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6213	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6214	1-104-665-11	ELECT 100UF	20.00% 25V
C6215	1-104-665-11	ELECT 100UF	20.00% 25V
C6217	1-126-767-11	ELECT 1000UF	20.00% 16V
C6223	1-136-165-00	FILM 0.1UF	5.00% 50V
C6226	1-128-942-31	ELECT 1000UF	20% 6.3V
C6229	1-126-935-11	ELECT 470UF	20.00% 16V
C6234	1-136-165-00	FILM 0.1UF	5.00% 50V
C6235	1-128-550-11	ELECT 2200UF	20.00% 50V
C6236	1-128-942-31	ELECT 1000UF	20% 6.3V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C6237	1-126-767-11	ELECT 1000UF	20.00% 16V
C6238	1-136-165-00	FILM 0.1UF	5.00% 50V
C6239	1-104-665-11	ELECT 100UF	20.00% 25V
C6240	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6241	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6242	1-104-665-11	ELECT 100UF	20.00% 25V
C6243	1-104-665-11	ELECT 100UF	20.00% 25V
C6244	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6245	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6246	1-104-665-11	ELECT 100UF	20.00% 25V
C6247	1-104-665-11	ELECT 100UF	20.00% 25V
C6248	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6249	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6250	1-104-665-11	ELECT 100UF	20.00% 25V
C6251	1-104-665-11	ELECT 100UF	20.00% 25V
C6252	1-126-963-11	ELECT 4.7UF	20.00% 50V
C6253	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6254	1-137-374-11	MYLAR 0.047UF	5.00% 50V
C6255	1-126-935-11	ELECT 470UF	20.00% 16V
C6256	1-126-947-11	ELECT 47UF	20.00% 35V
C6259	1-104-665-11	ELECT 100UF	20.00% 25V
C6260	1-104-665-11	ELECT 100UF	20.00% 25V
C6261	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6262	1-164-156-11	CERAMIC CHIP 0.1UF	25V
		< CONNECTOR >	
CN0002	*1-564-507-11	PLUG, CONNECTOR 4P	
CN2300	*1-564-510-11	PLUG, CONNECTOR 7P	
CN2400	*1-816-974-51	PLUG, CONNECTOR 3P	
CN2501	*1-564-507-11	PLUG, CONNECTOR 4P	
CN3000	*1-564-510-11	PLUG, CONNECTOR 7P	
CN3001	*1-691-773-11	PLUG (MICRO CONNECTOR) 11P	
CN3002	*1-817-115-11	CONNECTOR, BOARD TO BOARD 35P	
CN3004	*1-816-974-51	PLUG, CONNECTOR 3P	
CN3008	1-691-775-11	PLUG (MICRO CONNECTOR) 13P	
CN5207	*1-818-034-11	DIN CONNECTOR PLUG	
CN5209	*1-564-520-11	PLUG, CONNECTOR 5P	
CN6200	*1-816-977-51	PLUG, CONNECTOR 6P	
CN6201	*1-564-510-11	PLUG, CONNECTOR 7P	
CN6202	*1-564-510-11	PLUG, CONNECTOR 7P	
CN6203	*1-695-915-11	TAB (CONTACT)	
CN6900	*1-564-510-11	PLUG, CONNECTOR 7P	
		< DIODE >	
D2002	8-719-081-97	DIODE MMDL914T1	
D2200	8-719-929-15	DIODE HZS9.1NB2	
D2201	8-719-929-15	DIODE HZS9.1NB2	
D2202	8-719-050-38	DIODE M1MA152WK-T1	
D2500	8-719-050-38	DIODE M1MA152WK-T1	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
D5100	8-719-081-97	DIODE MMDL914T1	
D5103	8-719-110-86	DIODE RD39ESB	
D5104	8-719-976-99	DIODE DTZ5.1B	
D5200	8-719-081-97	DIODE MMDL914T1	
D5201	8-719-081-98	DIODE MM3Z6V8T1	
D5202	8-719-081-97	DIODE MMDL914T1	
D5203	8-719-081-97	DIODE MMDL914T1	
D5204	8-719-081-97	DIODE MMDL914T1	
D5205	8-719-081-97	DIODE MMDL914T1	
D5206	8-719-081-97	DIODE MMDL914T1	
D5207	8-719-081-97	DIODE MMDL914T1	
D5208	8-719-081-97	DIODE MMDL914T1	
D5209	8-719-081-97	DIODE MMDL914T1	
D5210	8-719-081-97	DIODE MMDL914T1	
D5211	8-719-081-97	DIODE MMDL914T1	
D5212	8-719-081-97	DIODE MMDL914T1	
D5404	8-719-110-41	DIODE RD15ESB2	
D5405	8-719-908-03	DIODE GP08D	
D6201	8-719-022-97	DIODE D2S4MF	
D6203	8-719-063-70	DIODE D1NL20U	
D6204	8-719-063-70	DIODE D1NL20U	
D6205	8-719-050-38	DIODE M1MA152WK-T1	
D6206	8-719-081-97	DIODE MMDL914T1	
D6207	8-719-081-97	DIODE MMDL914T1	
D6208	8-719-081-97	DIODE MMDL914T1	
D6209	8-719-081-97	DIODE MMDL914T1	
D6210	8-719-110-41	DIODE RD15ESB2	
D6211	8-719-080-59	DIODE EK19-V0	
D6213	8-719-022-97	DIODE D2S4MF	
D6214	8-719-056-84	DIODE UDZ-TE-17-7.5B	
		< FERRITE BEAD >	
FB2400	1-535-303-00	LEAD, JUMPER (5.0MM)	
FB2401	1-535-303-00	LEAD, JUMPER (5.0MM)	
FB6201	1-535-303-00	LEAD, JUMPER (5.0MM)	
FB6204	1-535-303-00	LEAD, JUMPER (5.0MM)	
		< IC >	
IC2000	6-701-031-11	IC MSP3411G-QA-B11	
IC2200	8-759-100-96	IC UPC4558G2	
IC2300	8-759-576-76	IC TDA2822D013TR	
IC2400	8-759-544-25	IC TDA7482	
IC2500	6-704-807-01	IC TDA7269	
IC5102	8-759-325-48	IC CA0005AD	
IC5104	8-759-803-42	IC LA6500-FA	
IC5400	8-759-696-71	IC STV9379A	
IC6200	8-759-648-20	IC L7805CV/LSY	
IC6202	8-759-640-19	IC PQ1CG2032FZ	
IC6204	8-759-648-19	IC L7809CV/LSY	
IC6205	8-759-394-35	IC BA12T	

REF.NO.	PART.NO	DESCRIPTION	REMARK
IC6207	8-759-640-19	IC PQ1CG2032FZ	
IC6210	8-759-445-59	IC BA033T	
IC6211	6-701-848-01	IC KF25BDT	
IC6212	8-759-474-09	IC SI-8050S-LF1101	
IC6216	6-701-848-01	IC KF25BDT	
		< SOCKET >	
J2200	1-784-632-11	JACK, PIN 2P	
		< COIL >	
L1100	1-414-760-21	FERRITE 0UH	
L1101	1-414-760-21	FERRITE 0UH	
L1102	1-408-615-31	INDUCTOR 100UH	
L1103	1-408-603-21	MICRO IN (EL TYPE) 10UH	
L1104	1-412-979-21	INDUCTOR 1UH	
L1300	1-535-303-00	LEAD, JUMPER (5.0MM)	
L1301	1-408-602-31	INDUCTOR 8.2UH	
L2000	1-414-928-21	INDUCTOR 1UH	
L2001	1-414-928-21	INDUCTOR 1UH	
L2011	1-414-928-21	INDUCTOR 1UH	
L2400	1-406-977-21	INDUCTOR 100UH	
L2401	1-535-303-00	LEAD, JUMPER (5.0MM)	
L2402	1-535-303-00	LEAD, JUMPER (5.0MM)	
L2500	1-535-303-00	LEAD, JUMPER (5.0MM)	
L2501	1-535-303-00	LEAD, JUMPER (5.0MM)	
L5400	1-412-525-31	INDUCTOR 10UH	
L5401	1-535-303-00	LEAD, JUMPER (5.0MM)	
L5402	1-535-303-00	LEAD, JUMPER (5.0MM)	
L6203	1-419-743-11	INDUCTOR 100UH	
L6207	1-412-525-31	INDUCTOR 10UH	
L6210	1-535-303-00	LEAD, JUMPER (5.0MM)	
L6211	1-535-303-00	LEAD, JUMPER (5.0MM)	
L6213	1-412-539-11	INDUCTOR 150UH	
L6218	1-419-743-11	INDUCTOR 100UH	
L6219	1-406-971-11	INDUCTOR 10UH	
		< PROTECTOR MODULE >	
PS2000 ⚠	1-801-549-21	IC LINK 4A 0V	
PS2001 ⚠	1-801-549-21	IC LINK 4A 0V	
		< TRANSISTOR >	
Q0100	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q0200	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q0201	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q1100	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1300	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1301	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2000	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2200	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2201	8-729-010-29	TRANSISTOR MSD601-RST1	

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q2202	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2300	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2301	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2302	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2400	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2401	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2500	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2501	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2502	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2503	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2504	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q5100	8-729-010-05	TRANSISTOR MSB709-RT1	
Q5101	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5200	8-729-010-05	TRANSISTOR MSB709-RT1	
Q5201	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5202	8-729-010-05	TRANSISTOR MSB709-RT1	
Q5203	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5204	8-729-010-05	TRANSISTOR MSB709-RT1	
Q5205	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5206	8-729-010-05	TRANSISTOR MSB709-RT1	
Q5207	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5208	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5209	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5210	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5211	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5404	8-729-926-76	TRANSISTOR IRF620	
Q6201	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6202	8-729-010-05	TRANSISTOR MSB709-RT1	
Q6203	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6204	8-729-010-05	TRANSISTOR MSB709-RT1	
Q6205	8-729-010-05	TRANSISTOR MSB709-RT1	
Q6206	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6207	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6208	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6209	8-729-010-29	TRANSISTOR MSD601-RST1	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
JR3001	1-216-864-11	SHORT CHIP 0	
JR3003	1-216-864-11	SHORT CHIP 0	
JR3004	1-216-864-11	SHORT CHIP 0	
JR3006	1-216-864-11	SHORT CHIP 0	
JR3010	1-216-864-11	SHORT CHIP 0	
JR6001	1-216-864-11	SHORT CHIP 0	
JR6002	1-216-864-11	SHORT CHIP 0	
JR6003	1-216-864-11	SHORT CHIP 0	
JR6004	1-216-864-11	SHORT CHIP 0	
JR6005	1-216-864-11	SHORT CHIP 0	
JR6006	1-216-864-11	SHORT CHIP 0	
JR6007	1-216-864-11	SHORT CHIP 0	
JR6008	1-216-864-11	SHORT CHIP 0	
JR6009	1-216-864-11	SHORT CHIP 0	
JR6010	1-216-864-11	SHORT CHIP 0	
JR6012	1-216-864-11	SHORT CHIP 0	
JR6013	1-216-864-11	SHORT CHIP 0	
JR6023	1-216-864-11	SHORT CHIP 0	
JR6025	1-216-864-11	SHORT CHIP 0	
JR6027	1-216-864-11	SHORT CHIP 0	
JR8002	1-216-864-11	SHORT CHIP 0	
JR8003	1-216-864-11	SHORT CHIP 0	
R0001	1-216-864-11	SHORT CHIP 0	
R0100	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R0102	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R0103	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R0200	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R0201	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R0202	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R0204	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R0205	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R0207	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1100	1-216-864-11	SHORT CHIP 0	
R1101	1-216-864-11	SHORT CHIP 0	
R1102	1-216-864-11	SHORT CHIP 0	
R1103	1-216-864-11	SHORT CHIP 0	
R1105	1-216-864-11	SHORT CHIP 0	
R1106	1-216-864-11	SHORT CHIP 0	
R1108	1-216-864-11	SHORT CHIP 0	
R1110	1-216-836-11	METAL CHIP 18K 5% 1/10W	
R1111	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1300	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1303	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1304	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2000	1-414-760-21	FERRITE 0UH	
R2001	1-414-760-21	FERRITE 0UH	
R2002	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R2003	1-216-864-11	SHORT CHIP 0	
R2004	1-216-864-11	SHORT CHIP 0	
R2005	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R2006	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R2007	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R2008	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R2022	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R2025	1-216-864-11	SHORT CHIP 0	
R2026	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2029	1-216-864-11	SHORT CHIP 0	
R2030	1-216-864-11	SHORT CHIP 0	
R2200	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R2201	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2202	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R2203	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R2204	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R2205	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2206	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R2207	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R2208	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2209	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2211	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2213	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2214	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2216	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2217	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2218	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2220	1-216-864-11	SHORT CHIP 0	
R2221	1-414-760-21	FERRITE 0UH	
R2300	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2301	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2302	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2303	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2304	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2305	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2306	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R2307	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R2308	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2309	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2310	1-249-389-11	CARBON 4.7 5% 1/4W	
R2311	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2312	1-249-389-11	CARBON 4.7 5% 1/4W	
R2313	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2314	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2315	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2316	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2317	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2400	1-249-422-11	CARBON 2.7K 5% 1/4W	
R2401	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2402	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
R2403	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2404	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2405	1-216-838-11	METAL CHIP 27K 5% 1/10W	
R2406	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R2407	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2409	1-216-864-11	SHORT CHIP 0	
R2410	1-216-864-11	SHORT CHIP 0	
R2500	1-216-089-91	RES-CHIP 47K 5% 1/10W	
R2501	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R2502	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R2503	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R2504	1-216-089-91	RES-CHIP 47K 5% 1/10W	
R2505	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R2506	1-216-079-00	RES-CHIP 18K 5% 1/10W	
R2507	1-216-079-00	RES-CHIP 18K 5% 1/10W	
R2508	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2509	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2510	1-163-021-91	CAP CERAMIC 0.01 10% 50V	
R2511	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R2512	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R2514	1-216-826-11	METAL CHIP 2.7K 5% 1/10W	
R2515	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2516	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R2517	1-216-864-11	SHORT CHIP 0	
R2518	1-216-081-00	RES-CHIP 22K 5% 1/10W	
R2519	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R2520	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R2521	1-243-826-21	METAL OXIDE 4.7 5% 1W	
R2522	1-243-826-21	METAL OXIDE 4.7 5% 1W	
R2523	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R2524	1-216-864-11	SHORT CHIP 0	
R2525	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2526	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R5102	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
R5103	1-218-833-11	METAL CHIP 270 0.5% 1/10W	
R5107	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
R5111	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R5112	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R5118	1-249-411-11	CARBON 330 5% 1/4W	
R5119	1-216-844-11	METAL CHIP 82K 5% 1/10W	
R5122	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R5125	1-216-836-11	METAL CHIP 18K 5% 1/10W	
R5126	1-249-406-11	CARBON 120 5% 1/4W	
R5127	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R5141	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R5143	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R5144	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R5145	1-216-809-11	METAL CHIP 100 5% 1/10W	
R5146	1-216-809-11	METAL CHIP 100 5% 1/10W	
R5148	1-216-809-11	METAL CHIP 100 5% 1/10W	
R5149	1-218-833-11	METAL CHIP 270 0.5% 1/10W	
R5150	1-249-414-11	CARBON 560 5% 1/4W	
R5151	1-249-454-11	CARBON 3.9 5% 1/4W	
R5152	1-249-413-11	CARBON 470 5% 1/4W	
R5153	1-249-393-11	CARBON 10 5% 1/4W	
R5154	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R5155	1-249-421-11	CARBON 2.2K 5% 1/4W	
R5156	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R5157	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R5158	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R5201	1-216-812-11	METAL CHIP 180 5% 1/10W	
R5203	1-216-864-11	SHORT CHIP 0	
R5204	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R5205	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R5206	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R5207	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R5209	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	

REF.NO.	PART.NO	DESCRIPTION			REMARK
R5210	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5212	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5214	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5215	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5216	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5217	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R5218	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5219	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5220	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5221	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R5222	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5223	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5224	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5225	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R5226	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5227	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5228	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5229	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5230	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5231	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R5232	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5233	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5234	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5235	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5236	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5237	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5239	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5240	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5241	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5242	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5243	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5244	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5245	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5246	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R5247	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5248	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5249	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5250	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5251	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5252	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5253	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5254	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5255	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5256	1-216-835-11	METAL CHIP	15K	5%	1/10W
R5408	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5409	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R5410	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R5411	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5413	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R5414	1-249-383-11	CARBON	1.5	5%	1/4W
R5415	1-249-389-11	CARBON	4.7	5%	1/4W
R5416	1-243-568-21	METAL OXIDE	220	5%	2W
R5417	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R5420	1-214-798-21	METAL	1.8	1%	1/2W
R5421	1-214-798-21	METAL	1.8	1%	1/2W
R6203	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R6206	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R6209	1-216-864-11	SHORT CHIP	0		
R6211	1-218-860-11	METAL CHIP	3.6K	0.5%	1/10W
R6213	1-535-303-00	LEAD, JUMPER (5.0MM)			
R6214	1-216-864-11	SHORT CHIP	0		
R6215	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6216	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6217	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6218	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6219	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6220	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6221	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6222	1-216-864-11	SHORT CHIP	0		
R6223	1-216-846-11	METAL CHIP	120K	5%	1/10W
R6224	1-218-877-91	RES CHIP	18K	0.5%	1/10W
R6225	1-218-871-91	RES CHIP	10K	0.5%	1/10W
R6226	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6227	1-218-899-91	RES CHIP	150K	0.5%	1/16W
R6228	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6229	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6230	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6231	1-218-879-91	RES CHIP	22K	0.5%	1/10W
R6232	1-216-864-11	SHORT CHIP	0		
R6238	1-216-864-11	SHORT CHIP	0		
R6244	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R6246	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R6247	1-216-864-11	SHORT CHIP	0		
R6248	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6249	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6250	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8005	1-216-809-11	METAL CHIP	100	5%	1/10W
R8007	1-216-809-11	METAL CHIP	100	5%	1/10W
R8008	1-216-809-11	METAL CHIP	100	5%	1/10W
R8009	1-216-809-11	METAL CHIP	100	5%	1/10W
R8010	1-216-809-11	METAL CHIP	100	5%	1/10W
R8011	1-216-809-11	METAL CHIP	100	5%	1/10W
R8012	1-216-809-11	METAL CHIP	100	5%	1/10W
R8013	1-216-809-11	METAL CHIP	100	5%	1/10W
R8014	1-216-809-11	METAL CHIP	100	5%	1/10W
R8015	1-216-809-11	METAL CHIP	100	5%	1/10W
R8016	1-216-809-11	METAL CHIP	100	5%	1/10W
R8017	1-216-809-11	METAL CHIP	100	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION			REMARK
		< TUNER >			
TU1100	8-598-533-10	FRONTEND BTF-EC411			
		< CRYSTAL >			
X2000	1-760-628-11	VIBRATOR, CRYSTAL			

* A-1302-332-A D Board, Complete

REF.NO.	PART.NO	DESCRIPTION			REMARK
	4-382-854-01	SCREW (M3X8), P, SW (+)			
	4-382-854-01	SCREW (M3X8), P, SW (+)			
		< CAPACITOR >			
C8100	1-136-165-00	FILM	0.1UF	5.00%	50V
C8101	1-136-165-00	FILM	0.1UF	5.00%	50V
C8102	1-136-165-00	FILM	0.1UF	5.00%	50V
C8103	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V
C8104	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V
C8105	1-126-947-11	ELECT	47UF	20.00%	35V
C8106	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C8107	1-218-885-11	METAL CHIP	39K	0.5%	1/10W
C8108	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C8109	1-126-947-11	ELECT	47UF	20.00%	35V
C8110	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C8111	1-107-444-11	CERAMIC	100PF	5.00%	2KV
C8112	1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
C8113	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C8114	1-126-964-11	ELECT	10UF	20.00%	50V
C8115	1-162-962-11	CERAMIC CHIP	470PF	10.00%	50V
C8116	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V
C8117	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V
C8118	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C8119	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C8120	1-117-662-31	FILM	0.18UF	5%	250V
C8121	1-107-846-11	FILM	0.1UF	5.00%	400V
C8122	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
C8124	1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
C8125	1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	50V
C8126	1-165-176-11	CERAMIC CHIP	0.047UF	10.00%	16V
C8127	1-107-368-11	MYLAR	0.047UF	10.00%	200V
C8128	1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	50V
C8129	1-102-030-00	CERAMIC	330PF	10.00%	500V
C8130	1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C8131	1-107-368-11	MYLAR	0.047UF	10.00%	200V
C8132	1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C8134	1-102-935-00	CERAMIC	2PF	0.25PF	50V
C8135	1-126-947-11	ELECT	47UF	20.00%	35V
C8136	1-126-964-11	ELECT	10UF	20.00%	50V
C8138	1-102-030-00	CERAMIC	330PF	10.00%	500V
C8139	1-162-131-11	CERAMIC	220PF	10.00%	2KV
C8140	1-117-836-11	FILM	6800PF	3.00%	1.5KV
C8141	1-117-836-11	FILM	6800PF	3.00%	1.5KV
C8142	1-127-681-11	FILM	10000PF	2%	100V
C8143	1-125-893-11	FILM	680PF	3.00%	1.5KV
C8144	1-125-893-11	FILM	680PF	3.00%	1.5KV
C8145	1-117-667-11	FILM	0.47UF	5.00%	250V
C8146	1-117-660-21	FILM	0.12UF	5.00%	250V
C8147	1-126-947-11	ELECT	47UF	20.00%	35V
C8148	1-117-663-11	FILM	0.22UF	5.00%	250V
C8200	1-165-441-81	ELECT	33UF	20%	160V
C8201	1-107-655-11	ELECT	47UF	20.00%	250V
C8202	1-102-228-00	CERAMIC	470PF	10.00%	500V
C8203	1-102-228-00	CERAMIC	470PF	10.00%	500V
C8204	1-102-228-00	CERAMIC	470PF	10.00%	500V
C8205	1-126-941-11	ELECT	470UF	20.00%	25V
C8206	1-126-941-11	ELECT	470UF	20.00%	25V
C8207	1-126-964-11	ELECT	10UF	20.00%	50V
C8209	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C8210	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C8529	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C8530	1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C8531	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C8532	1-126-947-11	ELECT	47UF	20.00%	35V
C8534	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C8536	1-136-165-00	FILM	0.1UF	5.00%	50V
C8537	1-136-347-11	FILM	0.0047UF	5.00%	630V
C8538	1-137-499-11	FILM	0.015UF	5.00%	630V
C8700	1-136-177-00	FILM	1UF	5.00%	50V
C8701	1-164-677-11	CERAMIC CHIP	0.033UF	10.00%	16V
C8702	1-126-947-11	ELECT	47UF	20.00%	35V
C8703	1-136-177-00	FILM	1UF	5.00%	50V
C8704	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C8705	1-164-677-11	CERAMIC CHIP	0.033UF	10.00%	16V
C8706	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C8707	1-126-947-11	ELECT	47UF	20.00%	35V
C8709	1-164-388-91	CERAMIC CHIP	270PF	5.00%	50V
C8710	1-128-934-91	CERAMIC CHIP	0.33UF	20%	10V
C8711	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C8712	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C8713	1-126-947-11	ELECT	47UF	20.00%	35V
C8714	1-126-964-11	ELECT	10UF	20.00%	50V
C8715	1-162-923-11	CERAMIC CHIP	47PF	5.00%	50V
C8716	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
C8717	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C8718	1-162-923-11	CERAMIC CHIP	47PF	5.00%	50V
C8719	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C8720	1-164-677-11	CERAMIC CHIP	0.033UF	10.00%	16V
C8721	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C8802	1-126-960-11	ELECT	1UF	20.00%	50V
C8803	1-126-960-11	ELECT	1UF	20.00%	50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C8804	1-102-114-00	CERAMIC 470PF	10.00% 50V
C8805	1-102-114-00	CERAMIC 470PF	10.00% 50V

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN8104	*1-564-510-11	PLUG, CONNECTOR 7P	
CN8116	1-695-915-11	TAB (CONTACT)	
CN8203	1-691-775-11	PLUG (MICRO CONNECTOR) 13P	
CN8206	*1-564-510-11	PLUG, CONNECTOR 7P	
CN8211	*1-785-270-12	PIN, DY CONNECTOR (PC BOARD)	
CN8214	*1-564-508-11	PLUG, CONNECTOR 5P	
CN8215	*1-816-977-11	PLUG, CONNECTOR 6P	
CN8700	*1-816-974-51	PLUG, CONNECTOR 3P	
CN8805	1-691-773-11	PLUG (MICRO CONNECTOR) 11P	
CN8900	*1-564-510-11	PLUG, CONNECTOR 7P	

< DIODE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
D8100	1-535-303-00	LEAD, JUMPER (5.0MM)	
D8101	8-719-110-41	DIODE RD15ESB2	
D8102	8-719-081-97	DIODE MMDL914T1	
D8103	8-719-081-97	DIODE MMDL914T1	
D8104	8-719-081-97	DIODE MMDL914T1	
D8105	8-719-081-97	DIODE MMDL914T1	
D8107	8-719-081-97	DIODE MMDL914T1	
D8108	8-719-921-40	DIODE MTZJ-4.7C	
D8128	8-719-081-97	DIODE MMDL914T1	
D8132	8-719-081-97	DIODE MMDL914T1	
D8133	8-719-081-97	DIODE MMDL914T1	
D8199	8-719-081-97	DIODE MMDL914T1	
D8200	8-719-302-43	DIODE EL1Z	
D8201	8-719-302-43	DIODE EL1Z	
D8203	8-719-085-12	DIODE BYV98-200-RAS 15/12	
D8204	8-719-085-12	DIODE BYV98-200-RAS 15/12	
D8207	8-719-991-33	DIODE 1SS133T-77	
D8208	8-719-991-33	DIODE 1SS133T-77	
D8508	8-719-063-73	DIODE D1NL20U-TR	
D8509	8-719-081-97	DIODE MMDL914T1	
D8611	8-719-081-97	DIODE MMDL914T1	
D8612	8-719-081-97	DIODE MMDL914T1	
D8700	8-719-991-33	DIODE 1SS133T-77	
D8701	1-535-303-00	LEAD, JUMPER (5.0MM)	
D8702	8-719-081-97	DIODE MMDL914T1	
D8802	8-719-081-97	DIODE MMDL914T1	
D8803	8-719-081-97	DIODE MMDL914T1	

< FERRITE BEAD >

REF.NO.	PART.NO	DESCRIPTION	REMARK
FB8100	1-410-397-21	FERRITE 1.1UH	

< IC >

REF.NO.	PART.NO	DESCRIPTION	REMARK
IC8100	8-759-665-11	IC LM393DT	
IC8101	8-759-665-11	IC LM393DT	
IC8102	8-759-638-79	IC NJM3404AD-W	
IC8103	8-759-659-67	IC LA6393DLL	
IC8527	8-759-701-01	IC NJM2904M	
IC8700	8-759-595-52	IC CXA8070AP	
IC8701	6-701-046-01	IC LM318N	

< COIL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
L8101	1-406-985-11	INDUCTOR 2.2MH	
L8102	1-414-928-21	INDUCTOR 1UH	
L8103	1-414-928-21	INDUCTOR 1UH	
L8104	1-414-928-21	INDUCTOR 1UH	
L8201	1-410-397-21	FERRITE 1.1UH	
L8202	1-410-397-21	FERRITE 1.1UH	
L8203	1-410-397-21	FERRITE 1.1UH	
L8503	1-535-303-00	LEAD, JUMPER (5.0MM)	
L8504	1-535-303-00	LEAD, JUMPER (5.0MM)	
L8569	1-406-989-21	INDUCTOR 10MH	
L8576	1-406-989-21	INDUCTOR 10MH	
L8707	1-535-303-00	LEAD, JUMPER (5.0MM)	
L8708	1-535-303-00	LEAD, JUMPER (5.0MM)	
L8709	1-535-303-00	LEAD, JUMPER (5.0MM)	

< TRANSISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q8100	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8101	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8102	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8103	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8104	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8105	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8106	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8107	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8108	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8109	8-729-048-47	TRANSISTOR 2SC2688(5)-LK	
Q8110	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8111	8-729-048-47	TRANSISTOR 2SC2688(5)-LK	
Q8112	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8113	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8114	6-550-669-01	TRANSISTOR ST2310DHI	
Q8115	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8116	6-550-669-01	TRANSISTOR ST2310DHI	
Q8117	8-729-050-48	TRANSISTOR IRF614-005	
Q8118	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8119	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8120	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8121	6-550-721-01	TRANSISTOR 2SK2679(LBS2NCN)	
Q8122	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8123	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8125	8-729-010-29	TRANSISTOR MSD601-RST1	

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q8126	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8127	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8128	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8132	8-729-421-19	TRANSISTOR UN2213	
Q8201	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8202	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8203	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8455	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8508	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8509	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8510	8-729-140-93	TRANSISTOR 2SB733-34	
Q8512	8-729-053-33	TRANSISTOR IRF614-037	
Q8700	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8701	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8702	8-729-053-87	TRANSISTOR KTC4370A	
Q8703	6-550-247-01	TRANSISTOR KTA1659A	
Q8704	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8705	8-729-010-05	TRANSISTOR MSB709-RT1	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
JR8459	1-216-864-11	SHORT CHIP 0	
R8100	1-216-813-11	METAL CHIP 220 5%	1/10W
R8101	1-216-813-11	METAL CHIP 220 5%	1/10W
R8102	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8103	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8104	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8105	1-216-821-11	METAL CHIP 1K 5%	1/10W
R8106	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8107	1-218-857-11	METAL CHIP 2.7K 0.5%	1/10W
R8108	1-218-857-11	METAL CHIP 2.7K 0.5%	1/10W
R8109	1-218-879-11	METAL CHIP 22K 0.5%	1/10W
R8110	1-218-879-11	METAL CHIP 22K 0.5%	1/10W
R8111	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8112	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8113	1-216-833-11	METAL CHIP 10K 5%	1/10W
R8114	1-216-833-11	METAL CHIP 10K 5%	1/10W
R8115	1-216-845-11	METAL CHIP 100K 5%	1/10W
R8116	1-216-845-11	METAL CHIP 100K 5%	1/10W
R8117	1-216-833-11	METAL CHIP 10K 5%	1/10W
R8118	1-216-833-11	METAL CHIP 10K 5%	1/10W
R8119	1-216-833-11	METAL CHIP 10K 5%	1/10W
R8120	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8121	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8122	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8123	1-216-841-11	METAL CHIP 47K 5%	1/10W
R8124	1-216-821-11	METAL CHIP 1K 5%	1/10W
R8125	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8126	1-216-815-11	METAL CHIP 330 5%	1/10W
R8127	1-218-859-11	METAL CHIP 3.3K 0.5%	1/10W
R8128	1-218-887-11	METAL CHIP 47K 0.5%	1/10W
R8129	1-218-887-11	METAL CHIP 47K 0.5%	1/10W
R8130	1-218-908-91	RES CHIP 360K 0.5%	1/10W
R8131	1-216-815-11	METAL CHIP 330 5%	1/10W
R8132	1-216-815-11	METAL CHIP 330 5%	1/10W
R8133	1-216-815-11	METAL CHIP 330 5%	1/10W
R8135	1-243-584-21	METAL OXIDE 4.7K 5%	2W
R8136	1-218-887-11	METAL CHIP 47K 0.5%	1/10W
R8137	1-218-887-11	METAL CHIP 47K 0.5%	1/10W
R8138	1-218-887-11	METAL CHIP 47K 0.5%	1/10W
R8139	1-218-887-11	METAL CHIP 47K 0.5%	1/10W
R8140	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8141	1-243-585-21	METAL OXIDE 5.6K 5%	2W
R8142	1-260-340-11	CARBON 10K 5%	1/2W
R8143	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8144	1-215-895-21	METAL OXIDE 3.3K 5%	2W
R8145	1-215-895-21	METAL OXIDE 3.3K 5%	2W
R8146	1-260-340-11	CARBON 10K 5%	1/2W
R8147	1-243-949-21	METAL OXIDE 0.47 5%	2W
R8148	1-215-880-71	METAL OXIDE 10 5%	2W
R8149	1-216-821-11	METAL CHIP 1K 5%	1/10W
R8150	1-216-821-11	METAL CHIP 1K 5%	1/10W
R8151	1-216-361-00	METAL OXIDE 0.22 5%	2W
R8152	1-215-880-71	METAL OXIDE 10 5%	2W
R8153	1-247-807-31	CARBON 100 5%	1/4W
R8154	1-216-845-11	METAL CHIP 100K 5%	1/10W
R8155	1-216-853-11	METAL CHIP 470K 5%	1/10W
R8156	1-215-485-00	METAL 470K 1%	1/4W
R8157	1-215-493-00	METAL 1M 1%	1/4W
R8158	1-218-859-11	METAL CHIP 3.3K 0.5%	1/10W
R8159	1-216-864-11	SHORT CHIP 0	
R8160	1-216-864-11	SHORT CHIP 0	
R8161	1-218-869-11	METAL CHIP 8.2K 0.5%	1/10W
R8162	1-216-821-11	METAL CHIP 1K 5%	1/10W
R8163	1-216-833-11	METAL CHIP 10K 5%	1/10W
R8165	1-218-889-11	METAL CHIP 56K 0.5%	1/10W
R8166	1-247-807-31	CARBON 100 5%	1/4W
R8167	1-215-493-00	METAL 1M 1%	1/4W
R8168	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R8169	1-218-895-11	METAL CHIP 100K 0.5%	1/10W
R8170	1-216-815-11	METAL CHIP 330 5%	1/10W
R8171	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8174	1-216-834-11	METAL CHIP 12K 5%	1/10W
R8175	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R8176	1-216-838-11	METAL CHIP 27K 5%	1/10W
R8177	1-216-830-11	METAL CHIP 5.6K 5%	1/10W
R8179	1-216-864-11	SHORT CHIP 0	
R8180	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R8181	1-249-409-11	CARBON 220 5%	1/4W
R8182	1-216-841-11	METAL CHIP 47K 5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R8183	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8186	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8188	1-218-867-11	METAL CHIP 6.8K	0.5% 1/10W
R8189	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8190	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8191	1-243-622-21	METAL OXIDE 22K	5% 3W
R8196	1-249-377-11	CARBON 0.47	5% 1/4W
R8197	1-216-841-11	METAL CHIP 47K	5% 1/10W
R8201	1-260-123-11	CARBON 100K	5% 1/2W
R8203	1-218-271-11	METAL CHIP 2K	5% 1/10W
R8204	1-202-972-61	FUSIBLE 1	5% 1/4W
R8205	1-218-871-11	METAL CHIP 10K	0.5% 1/10W
R8206	1-249-443-11	CARBON 0.47	5% 1/4W
R8207	1-249-443-11	CARBON 0.47	5% 1/4W
R8208	1-216-838-11	METAL CHIP 27K	5% 1/10W
R8209	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8210	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8211	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8212	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8215	1-218-879-11	METAL CHIP 22K	0.5% 1/10W
R8216	1-218-877-11	METAL CHIP 18K	0.5% 1/10W
R8217	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8218	1-249-443-11	CARBON 0.47	5% 1/4W
R8219	1-249-443-11	CARBON 0.47	5% 1/4W
R8220	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8222	1-216-346-00	METAL OXIDE 0.56	5% 1W
R8456	1-218-889-11	METAL CHIP 56K	0.5% 1/10W
R8457	1-216-830-11	METAL CHIP 5.6K	5% 1/10W
R8458	1-216-841-11	METAL CHIP 47K	5% 1/10W
R8459	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8538	1-216-845-11	METAL CHIP 100K	5% 1/10W
R8539	1-216-845-11	METAL CHIP 100K	5% 1/10W
R8540	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8541	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W
R8542	1-216-841-11	METAL CHIP 47K	5% 1/10W
R8543	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8544	1-216-841-11	METAL CHIP 47K	5% 1/10W
R8545	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8550	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W
R8552	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W
R8565	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W
R8566	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8567	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8568	1-216-813-11	METAL CHIP 220	5% 1/10W
R8570	1-215-882-21	METAL OXIDE 22	5% 2W
R8571	1-215-882-21	METAL OXIDE 22	5% 2W
R8572	1-215-882-21	METAL OXIDE 22	5% 2W
R8573	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8574	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8575	1-216-817-11	METAL CHIP 470	5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R8700	1-216-853-11	METAL CHIP 470K	5% 1/10W
R8701	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R8702	1-216-853-11	METAL CHIP 470K	5% 1/10W
R8703	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8704	1-216-809-11	METAL CHIP 100	5% 1/10W
R8705	1-216-853-11	METAL CHIP 470K	5% 1/10W
R8706	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R8707	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R8708	1-212-849-00	FUSIBLE 4.7	5% 1/4W
R8709	1-216-809-11	METAL CHIP 100	5% 1/10W
R8710	1-216-845-11	METAL CHIP 100K	5% 1/10W
R8714	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W
R8715	1-216-809-11	METAL CHIP 100	5% 1/10W
R8716	1-216-853-11	METAL CHIP 470K	5% 1/10W
R8717	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8718	1-249-410-11	CARBON 270	5% 1/4W
R8719	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W
R8720	1-243-564-21	METAL OXIDE 100	5% 2W
R8722	1-218-874-11	METAL CHIP 13K	0.5% 1/10W
R8723	1-218-879-11	METAL CHIP 22K	0.5% 1/10W
R8725	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R8726	1-212-849-00	FUSIBLE 4.7	5% 1/4W
R8727	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8728	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
R8729	1-216-837-11	METAL CHIP 22K	5% 1/10W
R8730	1-218-873-11	METAL CHIP 12K	0.5% 1/10W
R8731	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8732	1-216-845-11	METAL CHIP 100K	5% 1/10W
R8733	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R8734	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8735	1-216-832-11	METAL CHIP 8.2K	5% 1/10W
R8737	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8738	1-243-511-21	METAL OXIDE 2.2	5% 3W
R8739	1-218-913-91	METAL CHIP 560K	0.5% 1/10W
R8741	1-216-841-11	METAL CHIP 47K	5% 1/10W
R8742	1-218-915-11	METAL CHIP 680K	0.5% 1/10W
R8743	1-218-913-91	METAL CHIP 560K	0.5% 1/10W
R8804	1-249-408-11	CARBON 180	5% 1/4W
R8805	1-249-408-11	CARBON 180	5% 1/4W
R8806	1-249-411-11	CARBON 330	5% 1/4W
R8807	1-249-411-11	CARBON 330	5% 1/4W
R8868	1-218-869-11	METAL CHIP 8.2K	0.5% 1/10W
R8885	1-218-895-11	METAL CHIP 100K	0.5% 1/10W
R8886	1-218-875-11	METAL CHIP 15K	0.5% 1/10W
		< TRANSFORMER >	
T8100	1-433-489-31	TRANSFORMER, FERRITE (HDT)	
T8101	1-433-489-31	TRANSFORMER, FERRITE (HDT)	
T8202	1-437-614-11	TRANSFORMER, HORIZONTAL OUTPUT	

* A-1302-336-A B Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
	4-087-203-01	PLASTIC RIVET	
		< CAPACITOR >	
C0005	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C0006	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C0007	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C0008	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0009	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C0011	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0013	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0015	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0016	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0017	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0018	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0020	1-126-947-11	ELECT 47UF	20.00% 35V
C0021	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0023	1-126-933-11	ELECT 100UF	20.00% 16V
C0025	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0026	1-126-947-11	ELECT 47UF	20.00% 35V
C0028	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0029	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0032	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0033	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0035	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0038	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0039	1-126-947-11	ELECT 47UF	20.00% 35V
C0041	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0043	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0045	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0047	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0048	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0051	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0053	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0054	1-126-947-11	ELECT 47UF	20.00% 35V
C0055	1-126-947-11	ELECT 47UF	20.00% 35V
C0056	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0059	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0060	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C0061	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0062	1-126-947-11	ELECT 47UF	20.00% 35V
C0063	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C0064	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C0065	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0066	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3101	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C3102	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C3103	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C3104	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C3105	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C3106	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C3107	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3108	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3109	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3110	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3121	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3122	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3123	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3124	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3127	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3129	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3130	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3131	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3132	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3133	1-126-947-11	ELECT 47UF	20.00% 35V
C3134	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3135	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C3136	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3137	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C3138	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3139	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3140	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3141	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3142	1-126-947-11	ELECT 47UF	20.00% 35V
C3143	1-126-947-11	ELECT 47UF	20.00% 35V
C3144	1-126-947-11	ELECT 47UF	20.00% 35V
C3145	1-126-947-11	ELECT 47UF	20.00% 35V
C3147	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3148	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3300	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3301	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3302	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3303	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3304	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3305	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3306	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3307	1-126-947-11	ELECT 47UF	20.00% 35V
C3308	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3309	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3310	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3311	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3312	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C3313	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C3314	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3315	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3316	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3317	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3318	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3319	1-126-947-11	ELECT 47UF	20.00% 35V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C3320	1-126-947-11	ELECT 47UF	20.00% 35V
C3321	1-115-758-11	ELECT 470UF	20.00% 16V
C3324	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3402	1-126-947-11	ELECT 47UF	20.00% 35V
C3403	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3405	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3406	1-126-947-11	ELECT 47UF	20.00% 35V
C3407	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3408	1-126-947-11	ELECT 47UF	20.00% 35V
C3409	1-126-947-11	ELECT 47UF	20.00% 35V
C3410	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3411	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3412	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3413	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3414	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3415	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3416	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3421	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3422	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3426	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3431	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3432	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3433	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C3434	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3435	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3436	1-126-947-11	ELECT 47UF	20.00% 35V
C3800	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3801	1-126-947-11	ELECT 47UF	20.00% 35V
C3802	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3803	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3804	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3805	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3806	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3807	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3808	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3809	1-126-947-11	ELECT 47UF	20.00% 35V
C3810	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3811	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3812	1-126-947-11	ELECT 47UF	20.00% 35V
C3813	1-126-947-11	ELECT 47UF	20.00% 35V
C3814	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3815	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3816	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3817	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3818	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3819	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3820	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3821	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3822	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3823	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3824	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3825	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3826	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3827	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3828	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3829	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3830	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3831	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3832	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3833	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3834	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3835	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3836	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3837	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3838	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3839	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3840	1-126-947-11	ELECT 47UF	20.00% 35V
C3841	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3842	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C3844	1-126-947-11	ELECT 47UF	20.00% 35V
C3845	1-126-947-11	ELECT 47UF	20.00% 35V
C3846	1-126-959-11	ELECT 0.47UF	20.00% 50V
C3847	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3848	1-126-947-11	ELECT 47UF	20.00% 35V
C3849	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
C3851	1-126-947-11	ELECT 47UF	20.00% 35V
C3853	1-126-960-11	ELECT 1UF	20.00% 50V
C3854	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C3855	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3856	1-126-947-11	ELECT 47UF	20.00% 35V
C3857	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3858	1-126-960-11	ELECT 1UF	20.00% 50V
C3859	1-126-947-11	ELECT 47UF	20.00% 35V
C3861	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3864	1-126-959-11	ELECT 0.47UF	20.00% 50V
C3865	1-126-947-11	ELECT 47UF	20.00% 35V
C3866	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3867	1-126-963-11	ELECT 4.7UF	20.00% 50V
C3868	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3869	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3870	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3871	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C3872	1-126-947-11	ELECT 47UF	20.00% 35V
C3874	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3875	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C3876	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3877	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
C3879	1-126-947-11	ELECT 47UF	20.00% 35V
C3882	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3883	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3884	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5503	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C5504	1-218-899-91	RES CHIP 150K	0.5% 1/16W
C5508	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5509	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5510	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C5511	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5516	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5518	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5558	1-126-947-11	ELECT 47UF	20.00% 35V

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN0004	*1-564-507-11	PLUG, CONNECTOR 4P	
CN3100	1-794-244-11	CONNECTOR, DIN (PLUG) 96P	
CN3400	*1-564-524-11	PLUG, CONNECTOR 9P	
CN3401	*1-764-643-21	PIN, CONNECTOR (SMD) 11P	
CN3402	*1-564-519-11	PLUG, CONNECTOR 4P	

< DIODE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
D0070	8-719-081-97	DIODE MMDL914T1	
D0071	8-719-081-97	DIODE MMDL914T1	
D5500	8-719-069-55	DIODE UDZSTE-175.6B	
D5501	8-719-083-57	DIODE UDZSTE-173.6B	
D5502	6-500-028-01	DIODE MM3Z9V1ST1	
D5504	8-719-081-97	DIODE MMDL914T1	
D5505	8-719-081-97	DIODE MMDL914T1	
D5506	8-719-081-97	DIODE MMDL914T1	

< FILTER >

REF.NO.	PART.NO	DESCRIPTION	REMARK
FL3800	1-233-765-21	FILTER	
FL3801	1-233-765-21	FILTER	

< IC >

REF.NO.	PART.NO	DESCRIPTION	REMARK
IC0001	6-704-964-01	IC SDA6001-B12T	
IC0002	8-759-682-41	IC M24C32-WMN6T(A)	
IC0003	6-704-312-01	IC K4S641632F-UC75T	
IC0005	6-803-810-01	IC M27V160-100K1-6BA001	
IC0006	6-702-313-01	IC PST600IMT	
IC0007	8-759-352-91	IC PST9143NL	
IC3100	6-803-528-01	IC VSP9417BC3G	
IC3300	6-705-124-01	IC FRC9429A-A1	
IC3400	6-705-123-01	IC DDP3316C-H5	
IC3800	6-704-312-01	IC K4S641632F-UC75T	
IC3801	8-752-424-79	IC CXD3804R-T6	
IC3802	8-752-086-80	IC CXA2019AQ-T4	

< COIL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
L0002	1-414-928-21	INDUCTOR 1UH	
L0003	1-414-928-21	INDUCTOR 1UH	
L0004	1-414-928-21	INDUCTOR 1UH	
L0006	1-414-928-21	INDUCTOR 1UH	
L0007	1-414-928-21	INDUCTOR 1UH	
L0008	1-414-928-21	INDUCTOR 1UH	
L3100	1-414-928-21	INDUCTOR 1UH	
L3104	1-414-928-21	INDUCTOR 1UH	
L3105	1-414-928-21	INDUCTOR 1UH	
L3106	1-414-928-21	INDUCTOR 1UH	
L3107	1-414-928-21	INDUCTOR 1UH	
L3300	1-414-928-21	INDUCTOR 1UH	
L3301	1-414-928-21	INDUCTOR 1UH	
L3302	1-414-928-21	INDUCTOR 1UH	
L3303	1-410-397-21	FERRITE 1.1UH	
L3400	1-414-928-21	INDUCTOR 1UH	
L3401	1-414-928-21	INDUCTOR 1UH	
L3402	1-414-928-21	INDUCTOR 1UH	
L3403	1-414-928-21	INDUCTOR 1UH	
L3404	1-414-928-21	INDUCTOR 1UH	
L3800	1-414-928-21	INDUCTOR 1UH	
L3801	1-414-928-21	INDUCTOR 1UH	
L3802	1-414-928-21	INDUCTOR 1UH	
L3803	1-414-928-21	INDUCTOR 1UH	
L3805	1-414-928-21	INDUCTOR 1UH	
L3806	1-414-928-21	INDUCTOR 1UH	
L3807	1-414-928-21	INDUCTOR 1UH	
L3808	1-412-987-31	INDUCTOR 4.7UH	
L3809	1-414-928-21	INDUCTOR 1UH	
L3810	1-414-928-21	INDUCTOR 1UH	
L3856	1-414-928-21	INDUCTOR 1UH	
L5549	1-414-928-21	INDUCTOR 1UH	

< TRANSISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q0001	8-729-010-05	TRANSISTOR MSB709-RT1	
Q0002	8-729-010-05	TRANSISTOR MSB709-RT1	
Q0003	8-729-010-05	TRANSISTOR MSB709-RT1	
Q0005	8-729-010-29	TRANSISTOR MSD601-RST1	
Q0075	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3400	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3401	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3402	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3403	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3404	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3405	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3406	8-729-010-05	TRANSISTOR MSB709-RT1	
Q3409	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3410	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3800	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3801	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3802	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3803	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3805	8-729-010-29	TRANSISTOR MSD601-RST1	

REF.NO.	PART.NO	DESCRIPTION			REMARK
Q3806	8-729-010-29	TRANSISTOR MSD601-RST1			
Q3807	8-729-010-29	TRANSISTOR MSD601-RST1			
Q3808	8-729-010-29	TRANSISTOR MSD601-RST1			
Q3811	8-729-010-05	TRANSISTOR MSB709-RT1			
Q3812	8-729-010-29	TRANSISTOR MSD601-RST1			
Q3814	8-729-010-29	TRANSISTOR MSD601-RST1			
Q3816	8-729-010-05	TRANSISTOR MSB709-RT1			
Q5500	8-729-010-29	TRANSISTOR MSD601-RST1			
Q5503	8-729-010-29	TRANSISTOR MSD601-RST1			
Q5505	8-729-010-29	TRANSISTOR MSD601-RST1			
Q5507	8-729-010-05	TRANSISTOR MSB709-RT1			
Q5509	8-729-010-29	TRANSISTOR MSD601-RST1			
Q5519	8-729-010-29	TRANSISTOR MSD601-RST1			
Q5550	8-729-010-29	TRANSISTOR MSD601-RST1			
	< RESISTOR >				
JR0002	1-216-864-11	SHORT CHIP	0		
JR0003	1-216-864-11	SHORT CHIP	0		
JR0004	1-216-864-11	SHORT CHIP	0		
JR0008	1-216-864-11	SHORT CHIP	0		
JR0010	1-216-864-11	SHORT CHIP	0		
JR0011	1-216-864-11	SHORT CHIP	0		
JR3400	1-216-864-11	SHORT CHIP	0		
JR3401	1-216-864-11	SHORT CHIP	0		
JR3404	1-216-864-11	SHORT CHIP	0		
JR3406	1-216-864-11	SHORT CHIP	0		
JR3408	1-216-864-11	SHORT CHIP	0		
JR3409	1-216-864-11	SHORT CHIP	0		
JR5581	1-414-760-21	FERRITE	0UH		
R0001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0002	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0004	1-216-816-11	METAL CHIP	390	5%	1/10W
R0005	1-216-816-11	METAL CHIP	390	5%	1/10W
R0006	1-216-816-11	METAL CHIP	390	5%	1/10W
R0007	1-216-817-11	METAL CHIP	470	5%	1/10W
R0008	1-216-817-11	METAL CHIP	470	5%	1/10W
R0009	1-216-817-11	METAL CHIP	470	5%	1/10W
R0011	1-216-864-11	SHORT CHIP	0		
R0014	1-216-805-11	METAL CHIP	47	5%	1/10W
R0015	1-216-805-11	METAL CHIP	47	5%	1/10W
R0016	1-216-805-11	METAL CHIP	47	5%	1/10W
R0018	1-216-864-11	SHORT CHIP	0		
R0019	1-216-809-11	METAL CHIP	100	5%	1/10W
R0020	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0021	1-216-809-11	METAL CHIP	100	5%	1/10W
R0022	1-216-864-11	SHORT CHIP	0		
R0023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0025	1-216-809-11	METAL CHIP	100	5%	1/10W
R0026	1-216-809-11	METAL CHIP	100	5%	1/10W
R0027	1-216-809-11	METAL CHIP	100	5%	1/10W
R0028	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0029	1-216-809-11	METAL CHIP	100	5%	1/10W
R0030	1-216-809-11	METAL CHIP	100	5%	1/10W
R0031	1-216-809-11	METAL CHIP	100	5%	1/10W
R0032	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R0033	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R0034	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R0035	1-216-809-11	METAL CHIP	100	5%	1/10W
R0036	1-216-809-11	METAL CHIP	100	5%	1/10W
R0037	1-216-809-11	METAL CHIP	100	5%	1/10W
R0038	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R0039	1-216-817-91	RES CHIP	470	5%	1/10W
R0040	1-216-809-11	METAL CHIP	100	5%	1/10W
R0041	1-216-815-11	METAL CHIP	330	5%	1/10W
R0042	1-216-809-11	METAL CHIP	100	5%	1/10W
R0043	1-216-864-11	SHORT CHIP	0		
R0044	1-216-809-11	METAL CHIP	100	5%	1/10W
R0045	1-216-809-11	METAL CHIP	100	5%	1/10W
R0046	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0047	1-216-809-11	METAL CHIP	100	5%	1/10W
R0048	1-216-809-11	METAL CHIP	100	5%	1/10W
R0049	1-216-809-11	METAL CHIP	100	5%	1/10W
R0052	1-216-809-11	METAL CHIP	100	5%	1/10W
R0053	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R0056	1-216-809-11	METAL CHIP	100	5%	1/10W
R0057	1-216-809-11	METAL CHIP	100	5%	1/10W
R0059	1-216-809-11	METAL CHIP	100	5%	1/10W
R0060	1-216-809-11	METAL CHIP	100	5%	1/10W
R0063	1-216-809-11	METAL CHIP	100	5%	1/10W
R0064	1-216-809-11	METAL CHIP	100	5%	1/10W
R0065	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0066	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0067	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0068	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0069	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0070	1-216-809-11	METAL CHIP	100	5%	1/10W
R0071	1-216-849-11	METAL CHIP	220K	5%	1/10W
R0072	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R0073	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0074	1-216-864-11	SHORT CHIP	0		
R0075	1-216-809-11	METAL CHIP	100	5%	1/10W
R0076	1-216-864-11	SHORT CHIP	0		
R0079	1-216-864-11	SHORT CHIP	0		
R0080	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R0081	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R0082	1-216-809-11	METAL CHIP	100	5%	1/10W
R0083	1-216-809-11	METAL CHIP	100	5%	1/10W
R0084	1-216-833-11	METAL CHIP	10K	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R0085	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R0086	1-216-809-11	METAL CHIP	100	5%	1/10W
R0087	1-216-809-11	METAL CHIP	100	5%	1/10W
R0088	1-216-809-11	METAL CHIP	100	5%	1/10W
R0089	1-216-827-91	RES CHIP	3.3K	5%	1/10W
R0092	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R0093	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0095	1-216-821-11	METAL CHIP	1K	5%	1/10W
R0099	1-216-833-11	METAL CHIP	10K	5%	1/10W
R0102	1-216-864-11	SHORT CHIP	0		
R0108	1-216-864-11	SHORT CHIP	0		
R0137	1-216-839-11	METAL CHIP	33K	5%	1/10W
R3100	1-216-864-11	SHORT CHIP	0		
R3103	1-216-864-11	SHORT CHIP	0		
R3104	1-216-864-11	SHORT CHIP	0		
R3106	1-216-864-11	SHORT CHIP	0		
R3108	1-216-864-11	SHORT CHIP	0		
R3109	1-216-809-11	METAL CHIP	100	5%	1/10W
R3110	1-216-809-11	METAL CHIP	100	5%	1/10W
R3112	1-216-809-11	METAL CHIP	100	5%	1/10W
R3113	1-216-809-11	METAL CHIP	100	5%	1/10W
R3114	1-216-864-11	SHORT CHIP	0		
R3115	1-216-864-11	SHORT CHIP	0		
R3117	1-216-864-11	SHORT CHIP	0		
R3165	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3270	1-216-864-11	SHORT CHIP	0		
R3271	1-216-864-11	SHORT CHIP	0		
R3272	1-216-864-11	SHORT CHIP	0		
R3300	1-216-809-11	METAL CHIP	100	5%	1/10W
R3301	1-216-809-11	METAL CHIP	100	5%	1/10W
R3302	1-216-864-11	SHORT CHIP	0		
R3303	1-216-864-11	SHORT CHIP	0		
R3306	1-216-864-11	SHORT CHIP	0		
R3307	1-216-864-11	SHORT CHIP	0		
R3308	1-216-864-11	SHORT CHIP	0		
R3311	1-216-864-11	SHORT CHIP	0		
R3314	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3315	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3316	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3317	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3318	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3319	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3320	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3321	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3327	1-216-817-11	METAL CHIP	470	5%	1/10W
R3400	1-216-864-11	SHORT CHIP	0		
R3401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3403	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R3405	1-216-797-11	METAL CHIP	10	5%	1/10W
R3406	1-216-864-11	SHORT CHIP	0		
R3408	1-216-797-11	METAL CHIP	10	5%	1/10W
R3409	1-216-864-11	SHORT CHIP	0		
R3410	1-216-797-11	METAL CHIP	10	5%	1/10W
R3412	1-216-864-11	SHORT CHIP	0		
R3413	1-216-864-11	SHORT CHIP	0		
R3414	1-216-809-11	METAL CHIP	100	5%	1/10W
R3415	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R3416	1-218-837-11	METAL CHIP	390	0.5%	1/10W
R3417	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R3419	1-216-817-11	METAL CHIP	470	5%	1/10W
R3421	1-216-817-11	METAL CHIP	470	5%	1/10W
R3422	1-216-809-11	METAL CHIP	100	5%	1/10W
R3423	1-216-817-11	METAL CHIP	470	5%	1/10W
R3427	1-216-820-11	METAL CHIP	820	5%	1/10W
R3428	1-216-820-11	METAL CHIP	820	5%	1/10W
R3429	1-216-820-11	METAL CHIP	820	5%	1/10W
R3434	1-216-864-11	SHORT CHIP	0		
R3436	1-216-864-11	SHORT CHIP	0		
R3437	1-216-864-11	SHORT CHIP	0		
R3438	1-216-864-11	SHORT CHIP	0		
R3442	1-216-864-11	SHORT CHIP	0		
R3443	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R3444	1-216-809-11	METAL CHIP	100	5%	1/10W
R3445	1-216-809-11	METAL CHIP	100	5%	1/10W
R3446	1-216-811-11	METAL CHIP	150	5%	1/10W
R3450	1-218-837-11	METAL CHIP	390	0.5%	1/10W
R3451	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3452	1-216-817-11	METAL CHIP	470	5%	1/10W
R3471	1-216-809-11	METAL CHIP	100	5%	1/10W
R3800	1-216-864-11	SHORT CHIP	0		
R3801	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3802	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3803	1-216-813-11	METAL CHIP	220	5%	1/10W
R3804	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R3806	1-216-864-11	SHORT CHIP	0		
R3807	1-216-818-11	METAL CHIP	560	5%	1/10W
R3808	1-216-864-11	SHORT CHIP	0		
R3810	1-216-817-11	METAL CHIP	470	5%	1/10W
R3811	1-216-817-11	METAL CHIP	470	5%	1/10W
R3812	1-414-760-21	FERRITE	0UH		
R3814	1-216-864-11	SHORT CHIP	0		
R3815	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3816	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R3817	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3818	1-216-813-11	METAL CHIP	220	5%	1/10W
R3820	1-216-864-11	SHORT CHIP	0		
R3821	1-216-864-11	SHORT CHIP	0		
R3822	1-216-818-11	METAL CHIP	560	5%	1/10W
R3823	1-216-864-11	SHORT CHIP	0		
R3825	1-216-817-11	METAL CHIP	470	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R3826	1-216-817-11	METAL CHIP 470	5% 1/10W
R3829	1-216-817-11	METAL CHIP 470	5% 1/10W
R3830	1-216-841-11	METAL CHIP 47K	5% 1/10W
R3833	1-216-809-11	METAL CHIP 100	5% 1/10W
R3834	1-216-841-11	METAL CHIP 47K	5% 1/10W
R3836	1-216-817-11	METAL CHIP 470	5% 1/10W
R3837	1-216-817-11	METAL CHIP 470	5% 1/10W
R3838	1-216-864-11	SHORT CHIP 0	
R3839	1-216-817-11	METAL CHIP 470	5% 1/10W
R3840	1-216-864-11	SHORT CHIP 0	
R3841	1-216-817-11	METAL CHIP 470	5% 1/10W
R3845	1-216-801-11	METAL CHIP 22	5% 1/10W
R3846	1-216-809-11	METAL CHIP 100	5% 1/10W
R3847	1-216-809-11	METAL CHIP 100	5% 1/10W
R3849	1-216-801-11	METAL CHIP 22	5% 1/10W
R3850	1-218-851-11	METAL CHIP 1.5K	0.5% 1/10W
R3851	1-218-859-11	METAL CHIP 3.3K	0.5% 1/10W
R3852	1-218-831-11	METAL CHIP 220	0.5% 1/10W
R3853	1-216-809-11	METAL CHIP 100	5% 1/10W
R3854	1-216-821-11	METAL CHIP 1K	5% 1/10W
R3855	1-218-839-11	METAL CHIP 470	0.5% 1/10W
R3856	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R3857	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R3859	1-216-821-11	METAL CHIP 1K	5% 1/10W
R3860	1-216-813-11	METAL CHIP 220	5% 1/10W
R3861	1-216-821-11	METAL CHIP 1K	5% 1/10W
R3862	1-216-809-11	METAL CHIP 100	5% 1/10W
R3863	1-216-864-11	SHORT CHIP 0	
R3864	1-216-809-11	METAL CHIP 100	5% 1/10W
R3865	1-216-864-11	SHORT CHIP 0	
R3866	1-216-864-11	SHORT CHIP 0	
R3868	1-216-817-11	METAL CHIP 470	5% 1/10W
R3869	1-216-864-11	SHORT CHIP 0	
R3870	1-218-907-11	METAL CHIP 330K	0.5% 1/10W
R3871	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R3874	1-216-819-11	METAL CHIP 680	5% 1/10W
R3875	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R3876	1-218-835-11	METAL CHIP 330	0.5% 1/10W
R3877	1-216-832-11	METAL CHIP 8.2K	5% 1/10W
R3878	1-216-813-11	METAL CHIP 220	5% 1/10W
R3879	1-216-809-11	METAL CHIP 100	5% 1/10W
R3881	1-216-833-11	METAL CHIP 10K	5% 1/10W
R3882	1-216-809-11	METAL CHIP 100	5% 1/10W
R3883	1-216-809-11	METAL CHIP 100	5% 1/10W
R3884	1-218-859-11	METAL CHIP 3.3K	0.5% 1/10W
R3888	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R3890	1-216-864-11	SHORT CHIP 0	
R3892	1-216-864-11	SHORT CHIP 0	
R3893	1-216-835-11	METAL CHIP 15K	5% 1/10W
R3894	1-216-817-11	METAL CHIP 470	5% 1/10W
R5501	1-216-821-11	METAL CHIP 1K	5% 1/10W
R5502	1-216-809-11	METAL CHIP 100	5% 1/10W
R5503	1-216-817-11	METAL CHIP 470	5% 1/10W
R5504	1-216-809-11	METAL CHIP 100	5% 1/10W
R5505	1-216-809-11	METAL CHIP 100	5% 1/10W
R5507	1-216-809-11	METAL CHIP 100	5% 1/10W
R5508	1-216-797-11	METAL CHIP 10	5% 1/10W
R5510	1-216-809-11	METAL CHIP 100	5% 1/10W
R5511	1-216-809-11	METAL CHIP 100	5% 1/10W
R5512	1-216-838-11	METAL CHIP 27K	5% 1/10W
R5513	1-218-867-11	METAL CHIP 6.8K	0.5% 1/10W
R5516	1-218-831-11	METAL CHIP 220	0.5% 1/10W
R5517	1-216-809-11	METAL CHIP 100	5% 1/10W
R5518	1-216-809-11	METAL CHIP 100	5% 1/10W
R5523	1-218-855-11	METAL CHIP 2.2K	0.5% 1/10W
R5524	1-216-838-11	METAL CHIP 27K	5% 1/10W
R5526	1-216-821-11	METAL CHIP 1K	5% 1/10W
R5528	1-216-833-11	METAL CHIP 10K	5% 1/10W
R5529	1-216-833-11	METAL CHIP 10K	5% 1/10W
R5532	1-216-821-11	METAL CHIP 1K	5% 1/10W
R5539	1-218-879-11	METAL CHIP 22K	0.5% 1/10W
R5541	1-216-864-11	SHORT CHIP 0	
R5543	1-216-838-11	METAL CHIP 27K	5% 1/10W
R5544	1-216-849-11	METAL CHIP 220K	5% 1/10W
R5545	1-216-833-11	METAL CHIP 10K	5% 1/10W
R5548	1-216-809-11	METAL CHIP 100	5% 1/10W
R5549	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R5550	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R5551	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R5552	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R5555	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R5556	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R5557	1-216-809-11	METAL CHIP 100	5% 1/10W
R5558	1-216-809-11	METAL CHIP 100	5% 1/10W
R5559	1-216-864-11	SHORT CHIP 0	
R5560	1-216-833-11	METAL CHIP 10K	5% 1/10W
R5561	1-216-821-11	METAL CHIP 1K	5% 1/10W
R5569	1-216-864-11	SHORT CHIP 0	
R5576	1-216-864-11	SHORT CHIP 0	
R5577	1-216-864-11	SHORT CHIP 0	
R5578	1-216-864-11	SHORT CHIP 0	
R5579	1-216-864-11	SHORT CHIP 0	
R5580	1-216-864-11	SHORT CHIP 0	

< RESISTOR CHIP >

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB0030	1-233-576-11	RES, CHIP NETWORK 100	
RB0031	1-233-576-11	RES, CHIP NETWORK 100	
RB0032	1-233-576-11	RES, CHIP NETWORK 100	
RB0033	1-233-576-11	RES, CHIP NETWORK 100	
RB0034	1-233-576-11	RES, CHIP NETWORK 100	

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB0035	1-233-576-11	RES, CHIP NETWORK 100	
RB0036	1-233-576-11	RES, CHIP NETWORK 100	
RB0037	1-233-576-11	RES, CHIP NETWORK 100	
RB0038	1-233-576-11	RES, CHIP NETWORK 100	
RB0039	1-233-576-11	RES, CHIP NETWORK 100	
RB0043	1-233-576-11	RES, CHIP NETWORK 100	
RB0044	1-233-576-11	RES, CHIP NETWORK 100	
RB0045	1-233-576-11	RES, CHIP NETWORK 100	
RB0050	1-233-576-11	RES, CHIP NETWORK 100	
RB0051	1-233-576-11	RES, CHIP NETWORK 100	
RB0052	1-233-576-11	RES, CHIP NETWORK 100	
RB0053	1-233-576-11	RES, CHIP NETWORK 100	
RB0054	1-233-576-11	RES, CHIP NETWORK 100	
RB0055	1-233-576-11	RES, CHIP NETWORK 100	
RB3100	1-234-523-21	RES, CHIP NETWORK 0	(3216)
RB3101	1-234-523-21	RES, CHIP NETWORK 0	(3216)
RB3800	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB3801	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB3802	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB3803	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB3804	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB3805	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB3806	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB3807	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB3808	1-239-621-11	NETWORK RESISTOR (CHIP) 22	

< CRYSTAL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
X0001	1-567-162-00	OSCILLATOR, CRYSTAL	
X3100	1-781-946-21	VIBRATOR, CRYSTAL	
X3300	1-781-946-21	VIBRATOR, CRYSTAL	
X3400	1-795-058-21	VIBRATOR, CERAMIC	
X3800	1-767-127-11	VIBRATOR, CERAMIC	
X3801	1-567-504-11	OSCILLATOR, CRYSTAL	

* A-1302-547-A D2 Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
	4-382-854-01	SCREW (M3X8), P, SW (+)	

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
C6800	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6801	1-126-964-11	ELECT 10UF	20.00% 50V
C6802	1-126-964-11	ELECT 10UF	20.00% 50V
C6803	1-126-960-11	ELECT 1UF	20.00% 50V
C6804	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6805	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6806	1-117-228-71	MYLAR 2.2UF	10.00% 450V
C6807	1-128-551-11	ELECT 22UF	20.00% 63V
C6808	1-126-964-11	ELECT 10UF	20.00% 50V
C6809	1-136-813-11	FILM 680PF	5.00% 100V
C6810	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6811	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C6812	1-130-495-00	MYLAR 0.1UF	5.00% 50V
C6813	1-126-947-11	ELECT 47UF	20.00% 35V
C6814	1-126-967-11	ELECT 47UF	20.00% 50V
C6815	1-162-115-00	CERAMIC 330PF	10.00% 1KV
C6816	1-137-192-91	FILM 0.33UF	5.00% 50V
C6817	1-136-165-00	FILM 0.1UF	5.00% 50V
C6818	1-162-115-00	CERAMIC 330PF	10.00% 1KV
C6819	1-165-953-11	FILM 47000PF	3% 800V
C6820	1-136-189-00	MYLAR 0.1UF	10.00% 250V
C6821	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6823	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6824	1-126-963-11	ELECT 4.7UF	20.00% 50V
C6825	1-126-969-11	ELECT 220UF	20.00% 50V
C6826	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6827	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C6828	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C6829	1-104-664-91	ELECT 47UF	20.00% 25V
C6831	1-126-966-11	ELECT 33UF	20.00% 50V
C6832	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C6833	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6834	1-126-964-11	ELECT 10UF	20.00% 50V
C6835	1-165-607-11	FILM 10000PF	3% 800V
C6836	1-130-495-00	MYLAR 0.1UF	5.00% 50V
C6837	1-130-471-00	MYLAR 0.001UF	5.00% 50V
C6838	1-130-495-00	MYLAR 0.1UF	5.00% 50V
C6839	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6840	1-165-319-11	CERAMIC CHIP 0.1UF	50V
C8900	1-162-129-00	CERAMIC 150PF	10.00% 2KV
C8901	1-162-131-11	CERAMIC 220PF	10.00% 2KV
C8902	1-129-898-00	FILM 0.0022UF	5.00% 630V
C8903	1-107-635-11	ELECT 4.7UF	20.00% 160V
C8904	1-137-150-11	FILM 0.01UF	5.00% 100V
C8905	1-136-205-11	MYLAR 0.022UF	5.00% 630V
C8907	1-126-947-11	ELECT 47UF	20.00% 35V
C8908	1-216-809-11	METAL CHIP 100	5% 1/10W

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN6800	1-695-915-11	TAB (CONTACT)	
CN6801	*1-564-510-11	PLUG, CONNECTOR 7P	
CN6802	1-817-917-11	HEADER ASSEMBLY FOR PCB	
CN6803	*1-564-510-11	PLUG, CONNECTOR 7P	
CN6804	1-695-915-11	TAB (CONTACT)	
CN6805	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	

< DIODE >

REF.NO.	PART.NO	DESCRIPTION	REMARK
D6800	8-719-069-56	DIODE UDZSTE-176.2B	
D6802	8-719-081-97	DIODE MMDL914T1	
D6803	8-719-081-97	DIODE MMDL914T1	
D6809	8-719-083-94	DIODE FUF4005	

REF.NO.	PART.NO	DESCRIPTION	REMARK
D6814	8-719-063-73	DIODE D1NL20U-TR	
D6815	8-719-976-99	DIODE DTZ5.1B	
D6816	8-719-081-98	DIODE MM3Z6V8T1	
D6817	8-719-063-70	DIODE D1NL20U	
D6818	8-719-082-03	DIODE MM3Z15VT1	
D6819	8-719-082-03	DIODE MM3Z15VT1	
D6820	8-719-081-97	DIODE MMDL914T1	
D6821	8-719-083-66	DIODE UDZSTE-1718B	
D6822	8-719-081-97	DIODE MMDL914T1	
D6823	1-535-143-71	LEAD, JUMPER (7.5MM)	
D6824	8-719-081-97	DIODE MMDL914T1	
D6825	8-719-081-97	DIODE MMDL914T1	
D6826	8-719-082-00	DIODE MM3Z4V7T1	
D6827	1-216-864-11	SHORT CHIP 0	
D8900	8-719-948-45	DIODE ERA22-08	
D8901	8-719-991-33	DIODE 1SS133T-77	
		< FERRITE BEAD >	
FB6800	1-410-397-21	FERRITE 1.1UH	
FB8900	1-410-397-21	FERRITE 1.1UH	
		< IC >	
IC6800	8-759-586-17	IC TL1431CZ-AP	
IC6801	8-759-700-07	IC NJM2903M	
IC6802	6-703-355-01	IC MCZ3001DA	
IC6803	8-759-198-31	IC UPC1093J-1-T	
IC6804	8-759-701-01	IC NJM2904M	
		< COIL >	
L6800	1-428-950-31	INDUCTOR 125UH	
L6801	1-412-520-11	INDUCTOR 3.9UH	
L6802	1-412-520-11	INDUCTOR 3.9UH	
L8900	1-406-674-11	INDUCTOR 3.3MH	
		< PHOTOCOUPLER >	
PH6800	6-600-187-01	PHOTO COUPLER PC123Y22JOOF	
PH6801	6-600-187-01	PHOTO COUPLER PC123Y22JOOF	
		< TRANSISTOR >	
Q6800	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6801	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6802	6-550-526-11	TRANSISTOR 2SK2842(LBS2SONY)	
Q6803	6-550-526-11	TRANSISTOR 2SK2842(LBS2SONY)	
Q6804	8-729-010-05	TRANSISTOR MSB709-RT1	
Q6806	8-729-421-22	TRANSISTOR UN2211	
Q6807	8-729-010-05	TRANSISTOR MSB709-RT1	
Q6808	8-729-421-22	TRANSISTOR UN2211	
Q6809	8-729-010-05	TRANSISTOR MSB709-RT1	
Q6810	8-729-010-29	TRANSISTOR MSD601-RST1	

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q6811	8-729-901-06	TRANSISTOR DTA144EK	
Q6812	8-729-010-05	TRANSISTOR MSB709-RT1	
Q6813	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8900	8-729-010-29	TRANSISTOR MSD601-RST1	
Q8901	6-550-700-01	TRANSISTOR STP5NK40Z(033Y)	
		< RESISTOR >	
R6800	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R6801	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R6802	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R6803	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R6804	1-247-843-11	CARBON 3.3K 5% 1/4W	
R6805	1-218-875-11	METAL CHIP 15K 0.5% 1/10W	
R6807	1-218-845-11	METAL CHIP 820 0.5% 1/10W	
R6808	1-202-933-61	FUSIBLE 0.1 10% 1/2W	
R6809	1-218-874-11	METAL CHIP 13K 0.5% 1/10W	
R6810	1-218-869-11	METAL CHIP 8.2K 0.5% 1/10W	
R6811	1-535-303-00	LEAD, JUMPER (5.0MM)	
R6812	1-245-478-21	METAL 470K 1% 1/4W	
R6813	1-245-478-21	METAL 470K 1% 1/4W	
R6814	1-218-912-11	METAL CHIP 510K 0.5% 1/10W	
R6815	1-216-864-11	SHORT CHIP 0	
R6816	1-218-839-11	METAL CHIP 470 0.5% 1/10W	
R6817	1-249-393-11	CARBON 10 5% 1/4W	
R6818	1-216-803-11	METAL CHIP 33 5% 1/10W	
R6819	1-218-823-11	METAL CHIP 100 0.5% 1/10W	
R6820	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6821	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R6823	1-249-393-11	CARBON 10 5% 1/4W	
R6824	1-218-897-11	METAL CHIP 120K 0.5% 1/10W	
R6825	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6826	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R6829	1-245-494-21	METAL 2.2M 2% 1/4W	
R6830	1-249-431-11	CARBON 15K 5% 1/4W	
R6832	1-245-494-21	METAL 2.2M 2% 1/4W	
R6833	1-249-377-11	CARBON 0.47 5% 1/4W	
R6834	1-243-979-21	METAL OXIDE 0.1 5% 2W	
R6835	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R6836	1-216-864-11	SHORT CHIP 0	
R6837	1-249-419-11	CARBON 1.5K 5% 1/4W	
R6838	1-260-095-11	CARBON 470 5% 1/2W	
R6839	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6840	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
R6841	1-218-855-11	METAL CHIP 2.2K 0.5% 1/10W	
R6842	1-218-857-11	METAL CHIP 2.7K 0.5% 1/10W	
R6843	1-216-863-11	METAL CHIP 3.3M 5% 1/10W	
R6844	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R6845	1-218-895-11	METAL CHIP 100K 0.5% 1/10W	
R6846	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R6848	1-216-853-11	METAL CHIP 470K 5% 1/10W	

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
R6849	1-216-834-11	METAL CHIP 12K 5% 1/10W	
R6852	1-216-809-11	METAL CHIP 100 5% 1/10W	
R6853	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6854	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R6855	1-216-797-11	METAL CHIP 10 5% 1/10W	
R6857	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R6858	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R6859	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R6860	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R6861	1-215-485-00	METAL 470K 1% 1/4W	
R6862	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R6863	1-218-853-11	METAL CHIP 1.8K 0.5% 1/10W	
R6865	1-249-411-11	CARBON 330 5% 1/4W	
R6866	1-219-749-51	METAL 10K 5% 1/2W	
R6867	1-215-485-00	METAL 470K 1% 1/4W	
R6869	1-218-865-11	METAL CHIP 5.6K 0.5% 1/10W	
R6870	1-219-750-91	METAL 22K 5% 1/2W	
R6871	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R6873	1-218-887-91	RES CHIP 47K 0.5% 1/10W	
R6874	1-218-895-11	METAL CHIP 100K 0.5% 1/10W	
R6875	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R6877	1-215-433-00	METAL 3.3K 1% 1/4W	
R6878	1-215-447-00	METAL 12K 1% 1/4W	
R6879	1-215-447-00	METAL 12K 1% 1/4W	
R6880	1-215-447-00	METAL 12K 1% 1/4W	
R6881	1-215-447-00	METAL 12K 1% 1/4W	
R6883	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
R6884	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R8900	1-216-486-21	METAL OXIDE 8.2K 5% 3W	
R8901	1-260-123-11	CARBON 100K 5% 1/2W	
R8902	1-216-486-21	METAL OXIDE 8.2K 5% 3W	
R8903	1-243-616-21	METAL OXIDE 6.8K 5% 3W	
R8904	1-249-429-11	CARBON 10K 5% 1/4W	
R8905	1-216-486-21	METAL OXIDE 8.2K 5% 3W	
R8906	1-216-486-21	METAL OXIDE 8.2K 5% 3W	
R8907	1-260-123-11	CARBON 100K 5% 1/2W	
R8908	1-260-123-11	CARBON 100K 5% 1/2W	
R8909	1-260-123-11	CARBON 100K 5% 1/2W	
R8910	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R8911	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R8912	1-218-863-11	METAL CHIP 4.7K 0.5% 1/10W	
		< RESISTOR VARIABLE >	
RV6801	7-320-000-92	RESIN (RTV-133)	
		< SPARK GAP >	
SG6800	1-517-499-21	GAP, SPARK	

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< TRANSFORMER >	
T6800 △	1-453-444-21	TRANSFORMER ASSY, FLYBACK NX-6020//Z214	
T8900	1-437-690-11	TRANSFORMER, FERRITE (DFT)	

* A-1302-548-A G Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
	4-382-854-01	SCREW (M3X8), P, SW (+)	
		< CAPACITOR >	
C6001 △	1-165-528-11	MYLAR 0.1UF	10 275V
C6002 △	1-165-528-11	MYLAR 0.1UF	10 275V
C6003 △	1-119-900-51	CERAMIC 2200PF	20.00% 250V
C6004 △	1-119-900-51	CERAMIC 2200PF	20.00% 250V
C6005	1-126-965-91	ELECT 22UF	20.00% 50V
C6006	1-117-753-11	ELECT(BLOCK) 470UF	20.00% 450V
C6007	1-126-964-11	ELECT 10UF	20.00% 50V
C6008	1-126-963-11	ELECT 4.7UF	20.00% 50V
C6010	1-136-165-00	FILM 0.1UF	5.00% 50V
C6011	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6012 △	1-104-571-91	CERAMIC 0.0015UF	10.00% 2KV
C6013 △	1-104-571-91	CERAMIC 0.0015UF	10.00% 2KV
C6015	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C6016 △	1-104-571-91	CERAMIC 0.0015UF	10.00% 2KV
C6017 △	1-104-571-91	CERAMIC 0.0015UF	10.00% 2KV
C6018	1-126-949-11	ELECT 220UF	20.00% 35V
C6019	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C6020	1-100-311-11	FILM 22000PF	3% 800V
C6021	1-164-625-11	CERAMIC 680PF	10.00% 500V
C6022	1-126-963-11	ELECT 4.7UF	20.00% 50V
C6023	1-110-626-11	ELECT 330UF	20.00% 160V
C6028	1-128-548-11	ELECT 4700UF	20.00% 25V
C6029	1-126-939-11	ELECT 10000UF	20.00% 16V
C6030	1-126-944-11	ELECT 3300UF	20.00% 25V
C6031	1-126-944-11	ELECT 3300UF	20.00% 25V
C6032 △	1-113-927-11	CERAMIC 0.01UF	250V
C6033	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6034	1-126-949-11	ELECT 220UF	20.00% 35V
C6035	1-136-165-00	FILM 0.1UF	5.00% 50V
C6036	1-136-479-11	FILM 0.001UF	5.00% 100V
C6037	1-126-947-11	ELECT 47UF	20.00% 35V
C6038	1-164-625-11	CERAMIC 680PF	10.00% 500V
C6039	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C6040	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C6042	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6043	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C6045	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C6103	1-119-940-51	ELECT 4700UF	20.00% 50V

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< CONNECTOR >	
CN6001 △	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	
CN6002 △	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CN6003 △	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN6004 △	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
CN6005	*1-817-037-61	PLUG CONNECTOR 6P	
CN6006	*1-564-510-11	PLUG, CONNECTOR 7P	
CN6007	1-817-917-11	HEADER ASSEMBLY FOR PCB	
CN6008	*1-816-977-51	PLUG, CONNECTOR 6P	
CN6012	*1-564-510-11	PLUG, CONNECTOR 7P	
		< DIODE >	
D6001	6-500-067-01	DIODE GSIB460L/45	
D6002	8-719-982-26	DIODE MTZJ-33B	
D6004	8-719-083-94	DIODE FUF4005	
D6006	8-719-081-97	DIODE MMDL914T1	
D6007	8-719-081-97	DIODE MMDL914T1	
D6008	6-500-175-01	DIODE 1E3-TB	
D6009	8-719-110-41	DIODE RD15ESB2	
D6012	8-719-052-90	DIODE D1NL40-TA2	
D6013	6-500-175-01	DIODE 1E3-TB	
D6016	8-719-060-88	DIODE D4SBS6	
D6017	8-719-052-90	DIODE D1NL40-TA2	
D6031	8-719-080-59	DIODE EK19-V0	
D6032	8-719-080-59	DIODE EK19-V0	
D6033	8-719-312-92	DIODE RK14V1	
D6034	8-719-312-92	DIODE RK14V1	
D6036	8-719-080-59	DIODE EK19-V0	
D6102	8-719-511-40	DIODE S1VB40	
D6104	8-719-081-97	DIODE MMDL914T1	
D6105	8-719-081-97	DIODE MMDL914T1	
		< FERRITE BEAD >	
FB6002	1-410-397-21	FERRITE	1.1UH
FB6003	1-410-397-21	FERRITE	1.1UH
		< IC >	
IC6001	8-759-670-30	IC MCZ3001D	
IC6003	8-749-016-19	IC SE135N-LF4	
		< COIL >	
L6001	1-406-663-21	INDUCTOR	47UH
L6002	1-412-521-31	INDUCTOR	4.7UH
L6003	1-412-521-31	INDUCTOR	4.7UH
L6004	1-535-303-00	LEAD, JUMPER	(5.0MM)
L6005	1-535-303-00	LEAD, JUMPER	(5.0MM)
L6006	1-406-659-11	INDUCTOR	10UH
L6007	1-412-525-31	INDUCTOR	10UH
L6008	1-412-533-21	INDUCTOR	47UH
L6009	1-414-181-11	INDUCTOR	4.7UH
L6014	1-414-189-31	INDUCTOR	100UH
		< PHOTOCOUPLER >	
PH6001 △	6-600-187-01	PHOTO COUPLER PC123Y22J00F	
		< TRANSISTOR >	
Q6003	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6005	8-729-901-06	TRANSISTOR DTA144EK	
Q6006	6-550-698-01	TRANSISTOR SPA08N50C3-E8152	
Q6007	6-550-698-01	TRANSISTOR SPA08N50C3-E8152	
Q6010	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6102	8-729-010-29	TRANSISTOR MSD601-RST1	
		< RESISTOR >	
JR6007	1-216-864-11	SHORT CHIP	0
R6003 △	1-202-933-61	FUSIBLE	0.1 10% 1/2W
R6004 △	1-205-998-11	CEMENTED	1 5% 10W
R6005 △	1-205-998-11	CEMENTED	1 5% 10W
R6007	1-243-979-21	METAL OXIDE	0.1 5% 2W
R6008	1-243-979-21	METAL OXIDE	0.1 5% 2W
R6009	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R6010	1-245-478-21	METAL	470K 1% 1/4W
R6011	1-245-494-21	METAL	2.2M 2% 1/4W
R6012	1-245-494-21	METAL	2.2M 2% 1/4W
R6013 △	1-218-265-11	METAL	8.2M 5% 1W
R6014	1-243-624-21	METAL OXIDE	33K 5% 3W
R6015	1-211-992-11	METAL CHIP	91 0.5% 1/10W
R6016	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6017	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6018	1-260-131-11	CARBON	470K 5% 1/2W
R6019	1-260-129-11	CARBON	330K 5% 1/2W
R6020	1-216-820-11	METAL CHIP	820 5% 1/10W
R6021	1-243-946-21	METAL OXIDE	0.27 5% 2W
R6022	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6024	1-211-981-11	METAL CHIP	33 0.5% 1/10W
R6029	1-216-833-11	METAL CHIP	10K 5% 1/10W
R6030	1-216-817-11	METAL CHIP	470 5% 1/10W
R6032	1-249-417-11	CARBON	1K 5% 1/4W
R6033	1-245-478-21	METAL	470K 1% 1/4W
R6035	1-260-083-11	CARBON	47 5% 1/2W
R6036	1-216-817-11	METAL CHIP	470 5% 1/10W
R6037	1-249-405-91	CARBON	100 5% 1/4W
R6038	1-218-895-11	METAL CHIP	100K 0.5% 1/10W
R6039	1-218-895-11	METAL CHIP	100K 0.5% 1/10W
R6040	1-218-879-11	METAL CHIP	22K 0.5% 1/10W
R6045	1-216-815-11	METAL CHIP	330 5% 1/10W
R6047	1-218-885-11	METAL CHIP	39K 0.5% 1/10W

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK
R6049	1-218-869-11	METAL CHIP	8.2K 0.5% 1/10W
R6050	1-218-823-11	METAL CHIP	100 0.5% 1/10W
R6054	1-211-981-11	METAL CHIP	33 0.5% 1/10W
R6057	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R6101	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6102	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R6105	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6106	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
		< RELAY >	
RY6001 △	1-755-388-11	RELAY (AC POWER)	
RY6002 △	1-755-388-11	RELAY (AC POWER)	
		< TRANSFORMER >	
T6001 △	1-428-896-11	COIL, LINE FILTER	
T6002 △	1-443-059-11	TRANSFORMER, CONVERTER (PIT)	
T6003 △	1-428-896-11	COIL, LINE FILTER	
T6101 △	1-443-114-11	TRANSFORMER, STANDBY	
		< THERMISTOR >	
TH6002	1-804-650-11	THERMISTOR, POSITIVE	

* A-1405-609-A H1 Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< CAPACITOR >	
C2904	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2906	1-126-960-11	ELECT 1UF	20.00% 50V
C2907	1-126-960-11	ELECT 1UF	20.00% 50V
C2931	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
		< CONNECTOR >	
CN2900	1-779-947-11	TERMINAL BLOCK, S	
CN2911	*1-564-511-11	PLUG, CONNECTOR 8P	
CN2912	*1-564-510-11	PLUG, CONNECTOR 7P	
		< DIODE >	
D0901	8-719-109-89	DIODE RD5.6ESB2	
D0908	8-719-109-89	DIODE RD5.6ESB2	
		< SOCKET >	
J2901	1-817-763-11	JACK	
		< RESISTOR >	
R0901	1-216-864-11	SHORT CHIP	0
R0902	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R0911	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R0912	1-216-864-11	SHORT CHIP	0
R0913	1-216-833-11	METAL CHIP	10K 5% 1/10W
R0914	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2901	1-249-406-11	CARBON	120 5% 1/4W
R2902	1-249-406-11	CARBON	120 5% 1/4W
R2903	1-249-406-11	CARBON	120 5% 1/4W
R2904	1-249-406-11	CARBON	120 5% 1/4W
R2909	1-216-853-11	METAL CHIP	470K 5% 1/10W
R2910	1-216-853-11	METAL CHIP	470K 5% 1/10W
R2917	1-216-821-11	METAL CHIP	1K 5% 1/10W
R2918	1-216-821-11	METAL CHIP	1K 5% 1/10W
		< SWITCH >	
S0900	1-692-431-21	SWITCH, TACTILE	
S0901	1-692-431-21	SWITCH, TACTILE	
S0902	1-692-431-21	SWITCH, TACTILE	
S0903	1-692-431-21	SWITCH, TACTILE	
S0904	1-692-431-21	SWITCH, TACTILE	
S0905	1-692-431-21	SWITCH, TACTILE	

* A-1405-610-A C Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
	4-382-854-01	SCREW (M3X8), P, SW (+)	
		< CAPACITOR >	
C7300	1-136-189-00	MYLAR 0.1UF	10.00% 250V
C7302	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C7303	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C7306	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C7310	1-136-189-00	MYLAR 0.1UF	10.00% 250V
C7312	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C7313	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C7316	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C7320	1-136-189-00	MYLAR 0.1UF	10.00% 250V
C7321	1-107-652-11	ELECT 10UF	20.00% 250V
C7322	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C7323	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C7326	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
C7330	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C7331	1-126-947-11	ELECT 47UF	20.00% 35V
C7332	1-126-947-11	ELECT 47UF	20.00% 35V
C7333	1-107-652-11	ELECT 10UF	20.00% 250V
C7334	1-107-649-11	ELECT 2.2UF	20.00% 250V
C7335	1-119-894-51	CERAMIC 2200PF	20.00% 250V
C7336	1-115-350-51	CERAMIC 0.0047UF	2KV
		< CONNECTOR >	
CN7330	*1-564-508-11	PLUG, CONNECTOR 5P	
CN7331	*1-564-512-11	PLUG, CONNECTOR 9P	
CN7332	1-695-915-11	TAB (CONTACT)	
CN7333	1-695-915-11	TAB (CONTACT)	

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REF.NO.	PART.NO	DESCRIPTION	REMARK
	< DIODE >		
D7300	8-719-901-83	DIODE 1SS83	
D7301	8-719-901-83	DIODE 1SS83	
D7302	8-719-991-33	DIODE 1SS133T-77	
D7310	8-719-901-83	DIODE 1SS83	
D7311	8-719-901-83	DIODE 1SS83	
D7312	8-719-991-33	DIODE 1SS133T-77	
D7320	8-719-901-83	DIODE 1SS83	
D7321	8-719-901-83	DIODE 1SS83	
D7322	8-719-991-33	DIODE 1SS133T-77	
D7330	8-719-109-68	DIODE RD3.6ESB1	
D7331	8-719-901-83	DIODE 1SS83	
	< IC >		
IC7300	6-704-806-01	IC TDA6118JF	
IC7310	6-704-806-01	IC TDA6118JF	
IC7320	6-704-806-01	IC TDA6118JF	
	< SOCKET >		
J7330 △	1-451-544-11	SOCKET, CRT	
	< COIL >		
L7330	1-414-928-21	INDUCTOR 1UH	
L7331	1-414-928-21	INDUCTOR 1UH	
	< PROTECTOR MODULE >		
PS7332 △	1-532-637-00	IC LINK 1A 50V	
	< TRANSISTOR >		
Q7300	8-729-025-25	TRANSISTOR BF550	
Q7301	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7302	8-729-200-17	TRANSISTOR 2SA1091-O	
Q7310	8-729-025-25	TRANSISTOR BF550	
Q7311	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7312	8-729-200-17	TRANSISTOR 2SA1091-O	
Q7320	8-729-025-25	TRANSISTOR BF550	
Q7321	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7322	8-729-200-17	TRANSISTOR 2SA1091-O	
Q7330	8-729-010-05	TRANSISTOR MSB709-RT1	
	< RESISTOR >		
JR7303	1-216-864-11	SHORT CHIP 0	
JR7313	1-216-864-11	SHORT CHIP 0	
JR7323	1-216-864-11	SHORT CHIP 0	
R7300	1-216-821-11	METAL CHIP 1K 5%	1/10W
R7301	1-216-813-11	METAL CHIP 220 5%	1/10W
R7302	1-216-814-11	METAL CHIP 270 5%	1/10W
R7303	1-216-813-11	METAL CHIP 220 5%	1/10W
R7304	1-216-813-11	METAL CHIP 220 5%	1/10W
R7306	1-216-864-11	SHORT CHIP 0	
R7307	1-247-807-31	CARBON 100 5%	1/4W
R7308	1-202-557-00	SOLID 220 20%	1/2W
R7310	1-216-821-11	METAL CHIP 1K 5%	1/10W
R7311	1-216-813-11	METAL CHIP 220 5%	1/10W
R7312	1-216-814-11	METAL CHIP 270 5%	1/10W
R7313	1-216-813-11	METAL CHIP 220 5%	1/10W
R7314	1-216-813-11	METAL CHIP 220 5%	1/10W
R7316	1-216-864-11	SHORT CHIP 0	
R7317	1-247-807-31	CARBON 100 5%	1/4W
R7318	1-202-557-00	SOLID 220 20%	1/2W
R7320	1-216-821-11	METAL CHIP 1K 5%	1/10W
R7321	1-216-813-11	METAL CHIP 220 5%	1/10W
R7322	1-216-814-11	METAL CHIP 270 5%	1/10W
R7323	1-216-813-11	METAL CHIP 220 5%	1/10W
R7324	1-216-813-11	METAL CHIP 220 5%	1/10W
R7326	1-216-864-11	SHORT CHIP 0	
R7327	1-247-807-31	CARBON 100 5%	1/4W
R7328	1-202-557-00	SOLID 220 20%	1/2W
R7330	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R7331	1-247-903-00	CARBON 1M 5%	1/4W
R7333	1-249-417-11	CARBON 1K 5%	1/4W
R7334	1-249-417-11	CARBON 1K 5%	1/4W
R7335	1-247-735-11	CARBON 47 5%	1/2W
R7336	1-202-549-00	SOLID 100 20%	1/2W
R7337	1-202-549-00	SOLID 100 20%	1/2W
R7340	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
R7350	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
R7360	1-216-826-11	METAL CHIP 2.7K 5%	1/10W
	< RESISTOR VARIABLE >		
RV7330	1-241-656-11	RES, ADJ, METAL FILM 110M	
*** A-1405-611-A F1 Board, Complete**			
	4-206-220-01	HOLDER, LED	
	< CAPACITOR >		
C0982	1-104-665-11	ELECT 100UF	20.00% 25V
C0983	1-102-114-00	CERAMIC 470PF	10.00% 50V
C0984	1-102-129-00	CERAMIC 0.01UF	10.00% 50V
C6400	1-113-924-11	CERAMIC 0.0047UF	20.00% 250V
	< CONNECTOR >		
CN0981	*1-564-507-11	PLUG, CONNECTOR 4P	
CN6400 △	*1-580-843-11	PIN, CONNECTOR (POWER)	
CN6401 △	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	
CN6403	1-695-915-11	TAB (CONTACT)	

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REF.NO.	PART.NO	DESCRIPTION	REMARK
	< DIODE >		
D0981	8-719-109-89	DIODE RD5.6ESB2	
D0983	8-719-082-12	DIODE TLHK5190	
	< FUSE >		
F6400 △	1-576-232-12	FUSE 5A 250V	
FH6400 △	1-533-725-11	FUSE HOLDER 0A 0V	
	< IC >		
IC0981	6-704-532-01	IC RPM7240-H5	
	< RESISTOR >		
R0982	1-247-807-31	CARBON 100 5%	1/4W
R6400 △	1-202-719-00	SOLID 1M 10%	1/2W
	< SWITCH >		
S6400 △	1-571-433-21	SWITCH, PUSH (AC POWER)	
	< VARISTOR >		
VD6400 △	1-804-995-11	VARISTOR	
*** A-1405-623-A J Board, Complete**			
	< CAPACITOR >		
C2604	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2605	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2606	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2607	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2608	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2609	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2610	1-126-947-11	ELECT 47UF	20.00% 35V
C2611	1-126-947-11	ELECT 47UF	20.00% 35V
C2612	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V
C2613	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V
C2614	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2615	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2620	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2621	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2622	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2623	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2624	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2625	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2626	1-126-947-11	ELECT 47UF	20.00% 35V
C2627	1-126-947-11	ELECT 47UF	20.00% 35V
C2632	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2633	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2634	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2635	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2636	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2637	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2638	1-126-947-11	ELECT 47UF	20.00% 35V
C2639	1-126-947-11	ELECT 47UF	20.00% 35V
C2655	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2656	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2657	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C2658	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2659	1-126-964-11	ELECT 10UF	20.00% 50V
C2660	1-126-947-11	ELECT 47UF	20.00% 35V
C3608	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3609	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3610	1-126-947-11	ELECT 47UF	20.00% 35V
C3616	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3617	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3618	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3619	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3620	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3621	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3622	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3623	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3624	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3625	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3626	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3627	1-126-964-11	ELECT 10UF	20.00% 50V
C3631	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3632	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3634	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3636	1-126-947-11	ELECT 47UF	20.00% 35V
C3641	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3642	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3643	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3644	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3645	1-126-947-11	ELECT 47UF	20.00% 35V
C3646	1-126-947-11	ELECT 47UF	20.00% 35V
C3647	1-126-947-11	ELECT 47UF	20.00% 35V
C3648	1-126-947-11	ELECT 47UF	20.00% 35V
	< CONNECTOR >		
CN3600	*1-564-523-11	PLUG, CONNECTOR 8P	
CN3601	1-695-549-11	SOCKET, PIN 21P	
CN3602	1-695-549-11	SOCKET, PIN 21P	
CN3603	1-695-549-11	SOCKET, PIN 21P	
CN3604	1-817-114-11	CONNECTOR, BOARD TO BOARD 35P	
	< DIODE >		
D0600	8-719-069-55	DIODE UDZSTE-175.6B	
D2600	8-719-069-60	DIODE UDZSTE-179.1B	
D2601	8-719-069-60	DIODE UDZSTE-179.1B	
D2602	8-719-069-60	DIODE UDZSTE-179.1B	

REF.NO.	PART.NO	DESCRIPTION	REMARK
D2603	8-719-069-60	DIODE UDZSTE-179.1B	
D2604	8-719-069-60	DIODE UDZSTE-179.1B	
D2605	8-719-069-60	DIODE UDZSTE-179.1B	
D2606	8-719-069-60	DIODE UDZSTE-179.1B	
D2607	8-719-069-60	DIODE UDZSTE-179.1B	
D2608	8-719-069-60	DIODE UDZSTE-179.1B	
D2609	8-719-069-60	DIODE UDZSTE-179.1B	
D2610	8-719-069-60	DIODE UDZSTE-179.1B	
D2611	8-719-069-60	DIODE UDZSTE-179.1B	
D3602	8-719-069-60	DIODE UDZSTE-179.1B	
D3606	8-719-069-60	DIODE UDZSTE-179.1B	
D3614	8-719-083-63	DIODE UDZSTE-1713B	
D3615	8-719-069-60	DIODE UDZSTE-179.1B	
D3616	8-719-069-60	DIODE UDZSTE-179.1B	
D3617	8-719-069-60	DIODE UDZSTE-179.1B	
D3621	8-719-083-63	DIODE UDZSTE-1713B	
D3622	8-719-069-55	DIODE UDZSTE-175.6B	
D3623	8-719-069-60	DIODE UDZSTE-179.1B	
D3624	8-719-069-60	DIODE UDZSTE-179.1B	
D3626	8-719-069-60	DIODE UDZSTE-179.1B	
D3627	8-719-083-63	DIODE UDZSTE-1713B	
D3628	8-719-083-63	DIODE UDZSTE-1713B	
D3629	8-719-069-60	DIODE UDZSTE-179.1B	
D3630	8-719-069-60	DIODE UDZSTE-179.1B	
D3631	8-719-069-55	DIODE UDZSTE-175.6B	
D3632	8-719-069-60	DIODE UDZSTE-179.1B	
D3633	8-719-069-60	DIODE UDZSTE-179.1B	
D3634	8-719-069-60	DIODE UDZSTE-179.1B	
D3635	8-719-069-60	DIODE UDZSTE-179.1B	

< IC >

REF.NO.	PART.NO	DESCRIPTION	REMARK
IC3600	8-752-096-83	IC CXA2149AQ-TL	

< COIL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
L2602	1-414-928-21	INDUCTOR 1UH	
L3611	1-414-928-21	INDUCTOR 1UH	
L3612	1-414-928-21	INDUCTOR 1UH	
L3614	1-414-928-21	INDUCTOR 1UH	

< TRANSISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q2602	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2603	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2604	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3656	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3657	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3658	8-729-010-29	TRANSISTOR MSD601-RST1	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
JR2616	1-216-864-11	SHORT CHIP 0	
JR2617	1-216-864-11	SHORT CHIP 0	
JR2618	1-216-864-11	SHORT CHIP 0	
JR2628	1-216-864-11	SHORT CHIP 0	
R0800	1-216-809-11	METAL CHIP 100 5%	1/10W
R0801	1-216-809-11	METAL CHIP 100 5%	1/10W
R0802	1-216-025-11	RES-CHIP 100 5%	1/10W
R2600	1-216-815-11	METAL CHIP 330 5%	1/10W
R2601	1-216-049-11	RES-CHIP 1K 5%	1/10W
R2602	1-216-815-11	METAL CHIP 330 5%	1/10W
R2603	1-216-049-11	RES-CHIP 1K 5%	1/10W
R2604	1-216-813-11	METAL CHIP 220 5%	1/10W
R2605	1-216-864-11	SHORT CHIP 0	
R2606	1-216-813-11	METAL CHIP 220 5%	1/10W
R2607	1-216-864-11	SHORT CHIP 0	
R2608	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2609	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2610	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2611	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2612	1-216-813-11	METAL CHIP 220 5%	1/10W
R2613	1-216-813-11	METAL CHIP 220 5%	1/10W
R2614	1-216-864-11	SHORT CHIP 0	
R2615	1-216-864-11	SHORT CHIP 0	
R2616	1-216-864-11	SHORT CHIP 0	
R2617	1-216-821-11	METAL CHIP 1K 5%	1/10W
R2618	1-216-864-11	SHORT CHIP 0	
R2619	1-216-821-11	METAL CHIP 1K 5%	1/10W
R2620	1-216-837-11	METAL CHIP 22K 5%	1/10W
R2621	1-216-837-11	METAL CHIP 22K 5%	1/10W
R2622	1-216-837-11	METAL CHIP 22K 5%	1/10W
R2623	1-216-837-11	METAL CHIP 22K 5%	1/10W
R2624	1-216-815-11	METAL CHIP 330 5%	1/10W
R2625	1-216-049-11	RES-CHIP 1K 5%	1/10W
R2626	1-216-815-11	METAL CHIP 330 5%	1/10W
R2627	1-216-049-11	RES-CHIP 1K 5%	1/10W
R2628	1-216-864-11	SHORT CHIP 0	
R2630	1-216-864-11	SHORT CHIP 0	
R2632	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2633	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2634	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2635	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2636	1-216-815-11	METAL CHIP 330 5%	1/10W
R2637	1-216-049-11	RES-CHIP 1K 5%	1/10W
R2638	1-216-815-11	METAL CHIP 330 5%	1/10W
R2639	1-216-049-11	RES-CHIP 1K 5%	1/10W
R2640	1-216-813-11	METAL CHIP 220 5%	1/10W
R2642	1-216-813-11	METAL CHIP 220 5%	1/10W
R2644	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2645	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2646	1-216-853-11	METAL CHIP 470K 5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R2647	1-216-853-11	METAL CHIP 470K 5%	1/10W
R2648	1-216-821-11	METAL CHIP 1K 5%	1/10W
R2649	1-216-837-11	METAL CHIP 22K 5%	1/10W
R2650	1-216-837-11	METAL CHIP 22K 5%	1/10W
R3600	1-216-022-00	RES-CHIP 75 5%	1/10W
R3601	1-216-022-00	RES-CHIP 75 5%	1/10W
R3602	1-216-022-00	RES-CHIP 75 5%	1/10W
R3603	1-216-022-00	RES-CHIP 75 5%	1/10W
R3604	1-216-022-00	RES-CHIP 75 5%	1/10W
R3605	1-216-025-11	RES-CHIP 100 5%	1/10W
R3607	1-216-025-11	RES-CHIP 100 5%	1/10W
R3608	1-216-025-11	RES-CHIP 100 5%	1/10W
R3609	1-216-025-11	RES-CHIP 100 5%	1/10W
R3610	1-216-025-11	RES-CHIP 100 5%	1/10W
R3611	1-216-022-00	RES-CHIP 75 5%	1/10W
R3612	1-216-025-11	RES-CHIP 100 5%	1/10W
R3613	1-216-022-00	RES-CHIP 75 5%	1/10W
R3614	1-216-025-11	RES-CHIP 100 5%	1/10W
R3615	1-216-022-00	RES-CHIP 75 5%	1/10W
R3616	1-216-022-00	RES-CHIP 75 5%	1/10W
R3617	1-216-022-00	RES-CHIP 75 5%	1/10W
R3618	1-216-022-00	RES-CHIP 75 5%	1/10W
R3619	1-216-025-11	RES-CHIP 100 5%	1/10W
R3621	1-216-025-11	RES-CHIP 100 5%	1/10W
R3622	1-216-025-11	RES-CHIP 100 5%	1/10W
R3623	1-216-025-11	RES-CHIP 100 5%	1/10W
R3624	1-216-022-00	RES-CHIP 75 5%	1/10W
R3625	1-216-025-11	RES-CHIP 100 5%	1/10W
R3626	1-216-022-00	RES-CHIP 75 5%	1/10W
R3627	1-216-022-00	RES-CHIP 75 5%	1/10W
R3628	1-216-022-00	RES-CHIP 75 5%	1/10W
R3629	1-216-022-00	RES-CHIP 75 5%	1/10W
R3630	1-216-025-11	RES-CHIP 100 5%	1/10W
R3631	1-216-809-11	METAL CHIP 100 5%	1/10W
R3632	1-216-809-11	METAL CHIP 100 5%	1/10W
R3634	1-216-022-00	RES-CHIP 75 5%	1/10W
R3635	1-216-025-11	RES-CHIP 100 5%	1/10W
R3636	1-216-025-11	RES-CHIP 100 5%	1/10W
R3637	1-216-022-00	RES-CHIP 75 5%	1/10W
R3638	1-216-025-11	RES-CHIP 100 5%	1/10W
R3639	1-216-843-11	METAL CHIP 68K 5%	1/10W
R3641	1-216-843-11	METAL CHIP 68K 5%	1/10W
R3643	1-218-885-11	METAL CHIP 39K 0.5%	1/10W
R3647	1-216-864-11	SHORT CHIP 0	
R3652	1-216-821-11	METAL CHIP 1K 5%	1/10W
R3653	1-216-841-11	METAL CHIP 47K 5%	1/10W
R3654	1-216-837-11	METAL CHIP 22K 5%	1/10W
R3655	1-216-837-11	METAL CHIP 22K 5%	1/10W
R3656	1-216-821-11	METAL CHIP 1K 5%	1/10W
R3657	1-216-841-11	METAL CHIP 47K 5%	1/10W
R3658	1-216-837-11	METAL CHIP 22K 5%	1/10W
R3659	1-216-821-11	METAL CHIP 1K 5%	1/10W
R3660	1-216-841-11	METAL CHIP 47K 5%	1/10W
R3661	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R3662	1-216-827-11	METAL CHIP 3.3K 5%	1/10W

* A-1405-620-A VM Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
	4-382-854-01	SCREW (M3X8), P, SW (+)	

< CAPACITOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
C9401	1-126-947-11	ELECT 47UF	20.00% 35V
C9402	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C9403	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C9404	1-107-636-11	ELECT 10UF	20.00% 160V
C9406	1-161-830-00	CERAMIC 0.0047UF	500V
C9407	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C9408	1-126-964-11	ELECT 10UF	20.00% 50V
C9409	1-107-636-11	ELECT 10UF	20.00% 160V
C9410	1-137-528-11	MYLAR 0.1UF	10.00% 250V
C9411	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C9412	1-137-528-11	MYLAR 0.1UF	10.00% 250V
C9413	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C9414	1-117-450-11	MYLAR 0.47UF	10.00% 250V

< CONNECTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN9401	*1-564-510-11	PLUG, CONNECTOR 7P	
CN9402	*1-564-506-11	PLUG, CONNECTOR 3P	
CN9403	*1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	

< COIL >

REF.NO.	PART.NO	DESCRIPTION	REMARK
L9401	1-414-928-21	INDUCTOR 1UH	
L9402	1-414-928-21	INDUCTOR 1UH	

< TRANSISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q9401	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9402	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9403	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9404	8-729-010-05	TRANSISTOR MSB709-RT1	
Q9405	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9406	8-729-010-05	TRANSISTOR MSB709-RT1	
Q9407	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9408	8-729-010-05	TRANSISTOR MSB709-RT1	
Q9409	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9410	8-729-010-05	TRANSISTOR MSB709-RT1	
Q9411	8-729-045-05	TRANSISTOR 2SA2005	
Q9412	8-729-045-04	TRANSISTOR 2SC5511	
Q9413	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9414	8-729-010-05	TRANSISTOR MSB709-RT1	

< RESISTOR >

REF.NO.	PART.NO	DESCRIPTION	REMARK
R9401	1-249-381-11	CARBON 1 5%	1/4W

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

VM

REF.NO.	PART.NO	DESCRIPTION	REMARK
R9402	1-216-820-11	METAL CHIP 820 5%	1/10W
R9403	1-216-819-11	METAL CHIP 680 5%	1/10W
R9404	1-216-834-11	METAL CHIP 12K 5%	1/10W
R9405	1-216-839-11	METAL CHIP 33K 5%	1/10W
R9406	1-216-805-11	METAL CHIP 47 5%	1/10W
R9408	1-216-815-11	METAL CHIP 330 5%	1/10W
R9409	1-216-805-11	METAL CHIP 47 5%	1/10W
R9410	1-216-805-11	METAL CHIP 47 5%	1/10W
R9411	1-249-393-11	CARBON 10 5%	1/4W
R9412	1-249-393-11	CARBON 10 5%	1/4W
R9413	1-249-393-11	CARBON 10 5%	1/4W
R9414	1-249-393-11	CARBON 10 5%	1/4W
R9415	1-249-393-11	CARBON 10 5%	1/4W
R9416	1-249-393-11	CARBON 10 5%	1/4W
R9417	1-249-393-11	CARBON 10 5%	1/4W
R9418	1-249-393-11	CARBON 10 5%	1/4W
R9419	1-216-839-11	METAL CHIP 33K 5%	1/10W
R9420	1-216-821-11	METAL CHIP 1K 5%	1/10W
R9421	1-216-801-11	METAL CHIP 22 5%	1/10W
R9422	1-216-801-11	METAL CHIP 22 5%	1/10W
R9423	1-216-821-11	METAL CHIP 1K 5%	1/10W
R9424	1-216-839-11	METAL CHIP 33K 5%	1/10W
R9425	1-243-572-21	METAL OXIDE 470 5%	2W
R9426	1-216-839-11	METAL CHIP 33K 5%	1/10W
R9427	1-216-839-11	METAL CHIP 33K 5%	1/10W
R9429	1-216-821-11	METAL CHIP 1K 5%	1/10W
R9430	1-216-809-11	METAL CHIP 100 5%	1/10W
R9431	1-216-809-11	METAL CHIP 100 5%	1/10W
R9432	1-216-817-11	METAL CHIP 470 5%	1/10W
R9433	1-216-817-11	METAL CHIP 470 5%	1/10W

MISCELLANEOUS

REF.NO.	PART.NO	DESCRIPTION	REMARK
⚠	1-571-433-21	SWITCH, PUSH (AC POWER)	
⚠	1-823-853-11	CORD, POWER	
	1-424-855-11	COIL, CHOKE 29MMH	
	8-598-533-10	FRONT END BTF-EC411	
⚠	1-453-444-21	TRANSFORMER ASSY, FLYBACK (NX-6020//Z214)	
	1-529-408-11	SPEAKER (4.2X24CM)	
	1-529-417-11	SPEAKER (8CM)	
⚠	1-451-504-71	DEFLECTION YOKE (Y29RSC-L)	
	1-452-896-11	COIL, NA ROTATION (RT200)	
⚠	8-453-011-11	NECK ASSY, (NA299-M)	
⚠	1-424-888-11	COIL, DEGAUSSING	
⚠	1-251-946-11	CAP ASSY, HIGH-VOLTAGE	
⚠	8-735-097-05	PICTURE TUBE (M68LNH060X)	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
	1-425-032-00	MAGNET, DISK; 10MM Ø	

ACCESSORIES AND PACKAGING MATERIALS

REF.NO.	PART.NO	DESCRIPTION	REMARK
	*4-029-168-01	BAG, PROTECTION	
	*4-095-400-01	INDIVIDUAL CARTON	
	*4-095-663-21	CUSHION, CRUSHED HONEYCOMB	
	*4-095-663-31	CUSHION, CRUSHED HONEYCOMB	
	*4-095-957-01	PAPER CUSHION	
	4-095-508-11	INSTRUCTION MANUAL(KV-29FQ85E) (GERMAN/GREEK/TURKISH)	
	4-095-508-21	INSTRUCTION MANUAL(KV-29FQ85E) (ENGLISH/GERMAN/FRENCH/ITALIAN)	
	4-095-508-31	INSTRUCTION MANUAL(KV-29FQ85E) (DANISH/SPANISH/FINNISH/NORWEGIAN/ PORTUGUESE/SWEDISH)	
	4-095-508-41	INSTRUCTION MANUAL(KV-29FQ85K) (ENGLISH/BULGARIAN/CZECH/HUNGARIAN/POLISH/ RUSSIAN)	

REMOTE COMMANDER

REF.NO.	PART.NO	DESCRIPTION	REMARK
	1-478-230-11	REMOTE COMMANDER (RM-943)	

TRACE

A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.

RS232
SONY TCSE
TRACE
CTRL
POWER
9V DC
POWER

The TRACE interface connects to the PC's serial port. It provides connection to the TV's I^2C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

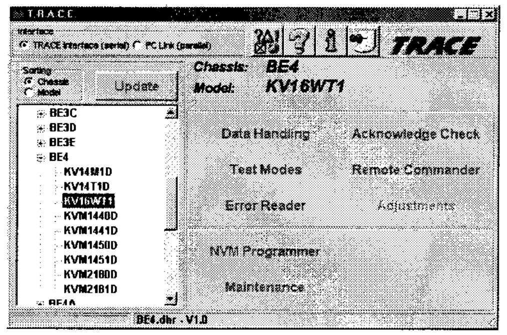
The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I^2C bus
- Acknowledge check of all I^2C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.


Interface: ● TRACE Interface (serial) ○ PC Link (parallel)

Sorting: ● Chassis ○ Model

Chassis: BE4

Model: KV16WT1

BE4.dhr - V1.0

Note: For workshops already using the existing I^2C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers:		
	TRACE Starter Kit (TRACE interface + software):	9-948-320-70
	TRACE Software (for users of the I^2C Link interface):	9-948-340-80
	TRACE IR Add-on (IR interface + Remote Commander software):	9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT*.

* WindowsNT only supported with TRACE interface

9-927-458-01

Sony Corporation
Sony UK
Service Promotions Dept.

English
03JP7100-1

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